TO HANG, LOOP CORD THROUGH HOLE

APRIL • TWO DOLLARS

American Builder

A SIMMONS-BOARDMAN TIME SAVER PUBLICATION

1960 Buyers Guide

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WHAT TO USE **HOW** TO USE IT **WHO** MAKES IT

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Berry's anti-sway feature

protects your reputation as a quality builder

Along with features like climate-proof weather seal • adjustable track hangers • diamond grid construction • safety lock tracks • rugged lifting arm • Paintlok-steel that won't swell, shrink, check, peel, rust

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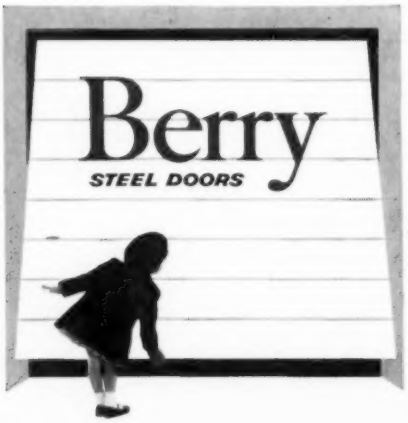

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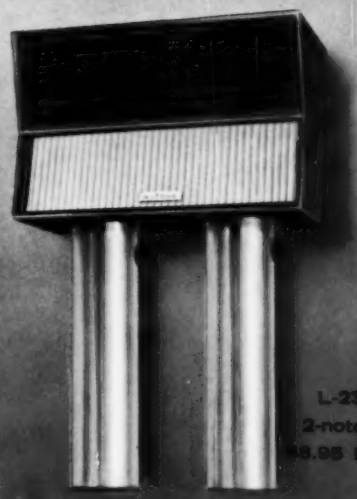

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See Next Page ⟶

23 HANDSOME STYLES . . BUILT-IN or SURFACE MOUNTED

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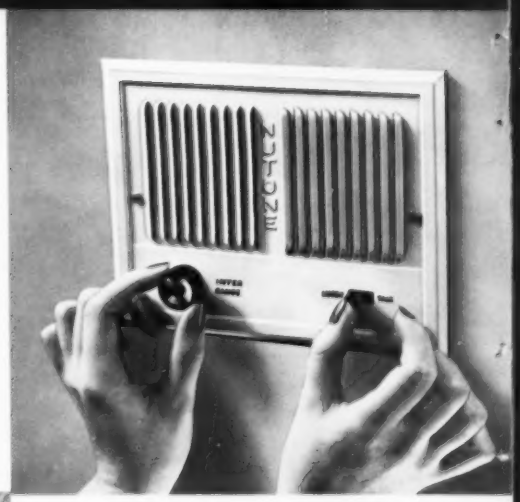

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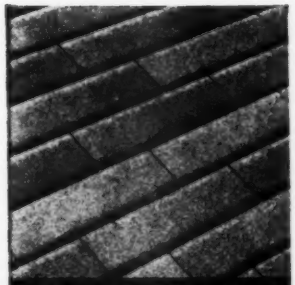

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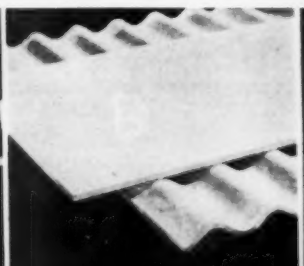

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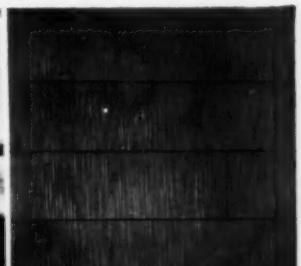

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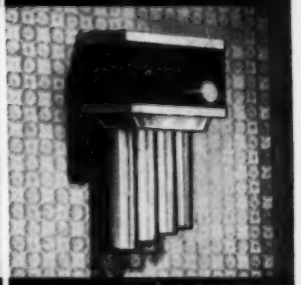

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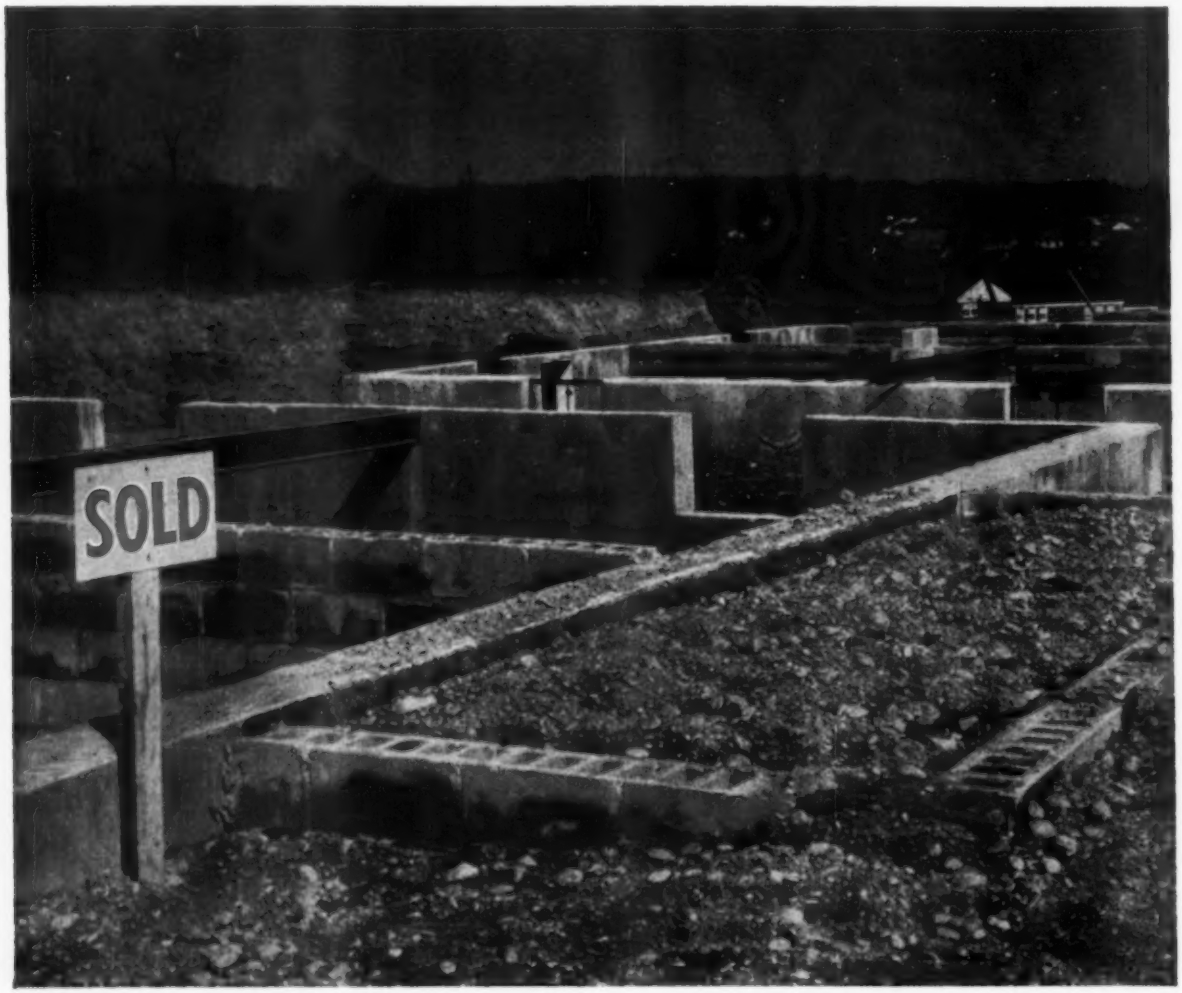

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Building is the business
This is the magazine of *opportunity*

WESTERN EDITION

THE Opportunity PAGE

What? How? Who? Those are the three big questions you have on your mind all year long: **(1) What** to build? **(2) How** to build it? **(3) Who** makes what it takes to do the job?

Every month it's our main aim in life to bring you the changing answers to all three questions. But once a year—in April—the emphasis is shifted to question 3: *Who* makes what it takes? (Plus a hefty section of technical pages to answer question 2.)

1

2

The answer is long and complicated. In the past year, roughly 39,000 IBM cards were processed to bring you the answers you find up front in the yellow pages. Almost 2,800 manufacturers were queried and their information included. Two editors worked all year long to answer the *Who?* And the question was never far off the mind of a third.

This year, they've outdone themselves. For example, there are now *two* reply cards to help you get answers (last year you sent us nearly 200,000 inquiries based on the catalog section alone).

And the 1960 Technical Data pages deserve a careful survey at your first opportunity. You'll find many new subjects, such as: Curtain Walls, Site Planning, How to Sound Condition a House.

This is an issue to *use* all year long. For a good start, please see our editors' suggestions under the index on page 8.

3

Arthur J. McGinnis

Publisher

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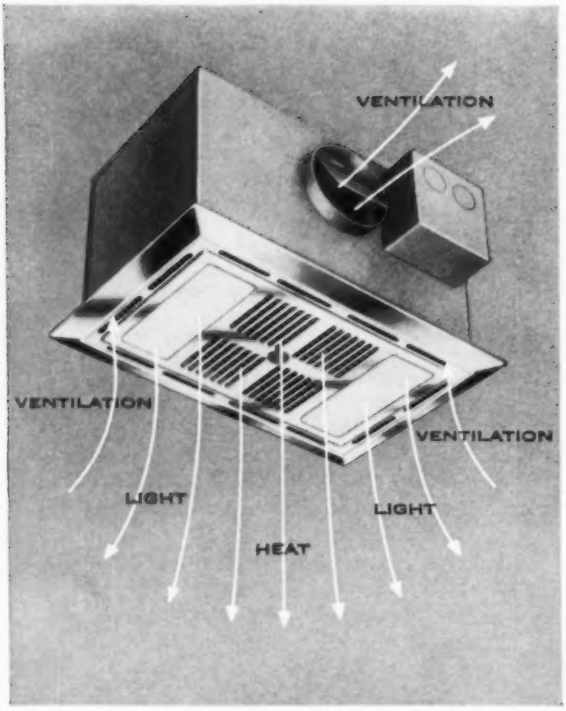

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READER'S Guide FOR APRIL 1960

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How to get the most out of this issue

1. Use the handy hole in the upper left hand corner. Loop a piece of cord through it, then hang the Issue close to your desk. It makes a year 'round reference book.

2. On page 20 you'll find a set of tabs to match the numbered sections of the magazine. Cut them out. Paste the left half of each tab on the first page of the section it matches. Reference-thumbing will go faster this way.

3. Page seven (general index) will give you a good, complete look at everything we have to offer. For specific items use the alphabetical subject index above.

4. Key to the five Directory Sections is the Directory of Manufacturers. Use it whenever you want the complete name *and* address of a firm. Every building product manufacturer in this Issue is included there. It starts on page 39.

5. Take a good leisurely trip through the Technical Data Sections. They start on page 123, cover everything from site selection to light-planning.

6. You'll find not one, but *two* reply cards on page 19. There are 459 catalogs in this Issue. To get them use one card now, the second, later in the year.

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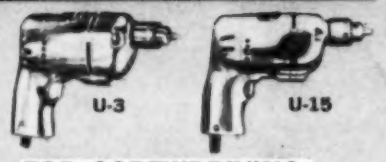

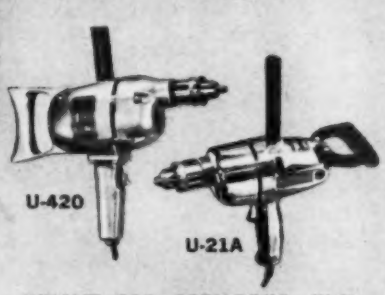

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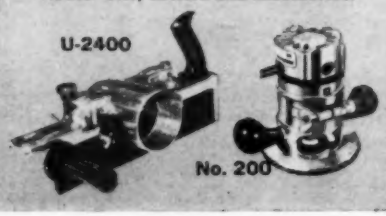

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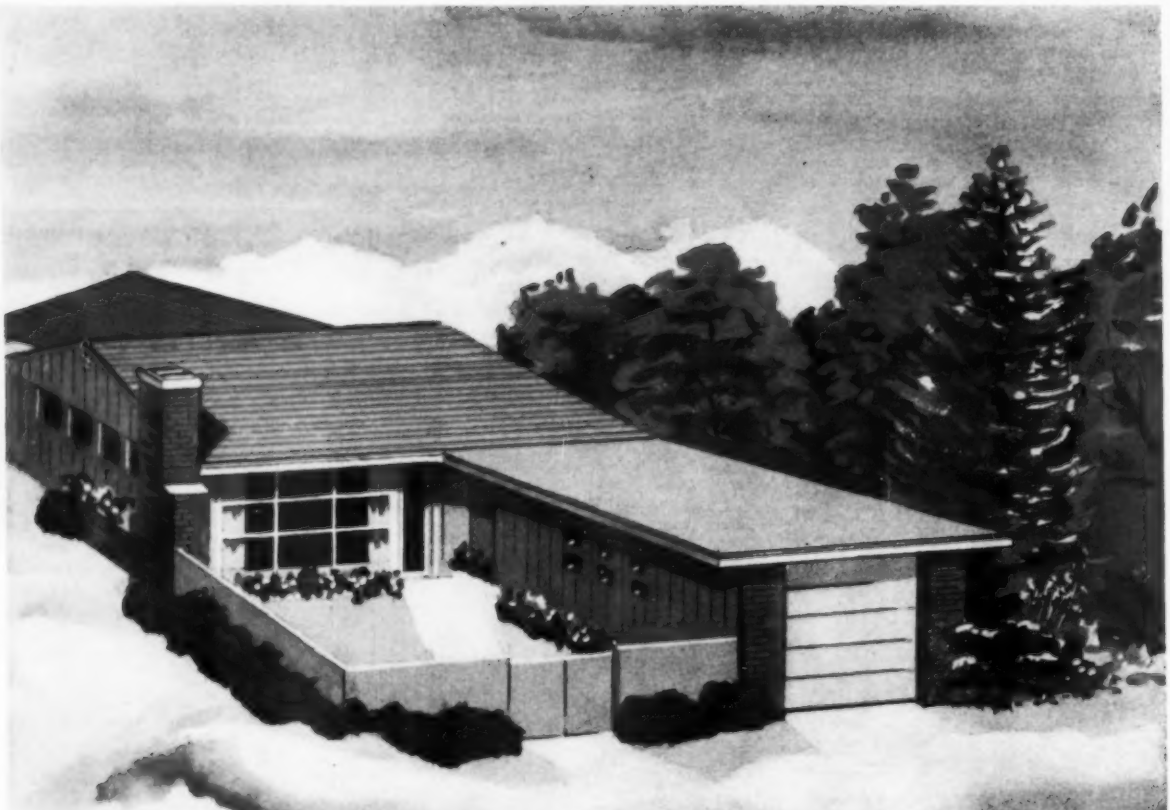

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WHAT'S New AND ▶ WHAT TO DO ABOUT IT

Construction runs ahead of last year

Builders and contractors are continuing 1960 work at near-record levels. Latest U.S. census reports show private construction expenditures in the first two months were $5.4 billion, or 7 per cent ahead of 1959. Private residential work, including apartments, was up 2 per cent over 1959. House additions and alteration work was running 20 per cent ahead. The figures represent the Census Bureau's estimates of the value of work put in place. In contrast, housing starts fell off the first two months from a total of 181,500 to 152,500. The drop was 16 per cent.

Big business on scattered lots

Building houses on scattered lots is a bigger business than is generally realized: it's opportunity for both large and small builders. A notable example is Harmony Homes of Los Angeles, who sold 3,400 units on scattered lots last year—a remarkable increase from the 34 built in their first year—1954.

Harmony Homes specializes in "back yard" sites: areas that have been rezoned to permit another house on a lot. Many of their houses are sold as rental investments. The organization is made up of 19 building companies under the management direction of Charles Criswell. Through his efficient system of planning, scheduling, buying and co-operative advertising he is delivering small homes at a cost of only $5.70 per sq. ft.

▶ Check into the opportunities in rezoned areas permitting an extra house on a lot. Then make a sales canvas of owners of such properties.

Builders fight secondary boycotts

Builders are voicing strong opposition to any change in the Taft-Hartley act to legalize secondary boycotts at construction sites. Rodney M. Lockwood of NAHB told the House Labor Subcommittee "it would cause a setback of many years" in progress of new building methods and techniques. Frank J. Rooney of Associated General Contractors said it "would be like turning the clock back to 1947" and would cause labor unrest—actually encourage strikes and picketing in construction. Others say legalizing secondary boycotts would let a single union halt a job for almost any reason, causing chaos.

▶ Wire, write or call your congressmen expressing your convictions concerning H.R. 9070, which would amend the Taft-Hartley act to permit secondary boycotts.

4 months more for GI loans

Under present law, the cutoff date for home loans for World War II veterans is July 25. Veterans who submit applications on or before that date will be allowed an additional 12 months in which to have the loan processed or actually closed. But Korean veterans have until January 31, 1965 to make applications.

Data released by VA show that only one-third of eligible World War II veterans and one-eighth of Korean veterans have taken advantage of the loan program.

Pressure for an extension of the GI home loan period is sure to increase as the cutoff date approaches. Many builders feel that veterans have been unjustly thwarted in their right to a GI home loan by the tight money policies that have strangled VA building.

▶ If you are still able to obtain VA financing, try advertising the July 25 cutoff date as a reason for buying a home before it's too late to qualify.

Multiple setup gets tax setback

The first U.S. court ruling on multiple corporation setups in the building field has caused widespread concern among builders. The U.S. Tax Court upheld a deficiency finding of the Internal Revenue Service of $102,700 against Aldon Homes, Inc., of California. The court upheld the contention of IRS that the 16 corporations set up to build and sell Aldon's Briarcliff project were not business entities worthy of recognition for tax purposes.

Tax experts say the Aldon case is not necessarily a valid precedent for disallowing tax savings on all other types of multiple setups. But it will undoubtedly be used to strengthen the case against many.

▶ Multiple setups past, present and future should be reviewed with expert tax counsel. Builders lacking counsel may get advice or suggestions from their local Association, or from the tax studies committee of NAHB, Rodney Lockwood, chairman.

Slow-moving housing bill

The slow and much debated progress of the 1960 housing bill in Congress has put the spotlight on the controversial position of this industry in an

(Continued on page 343)

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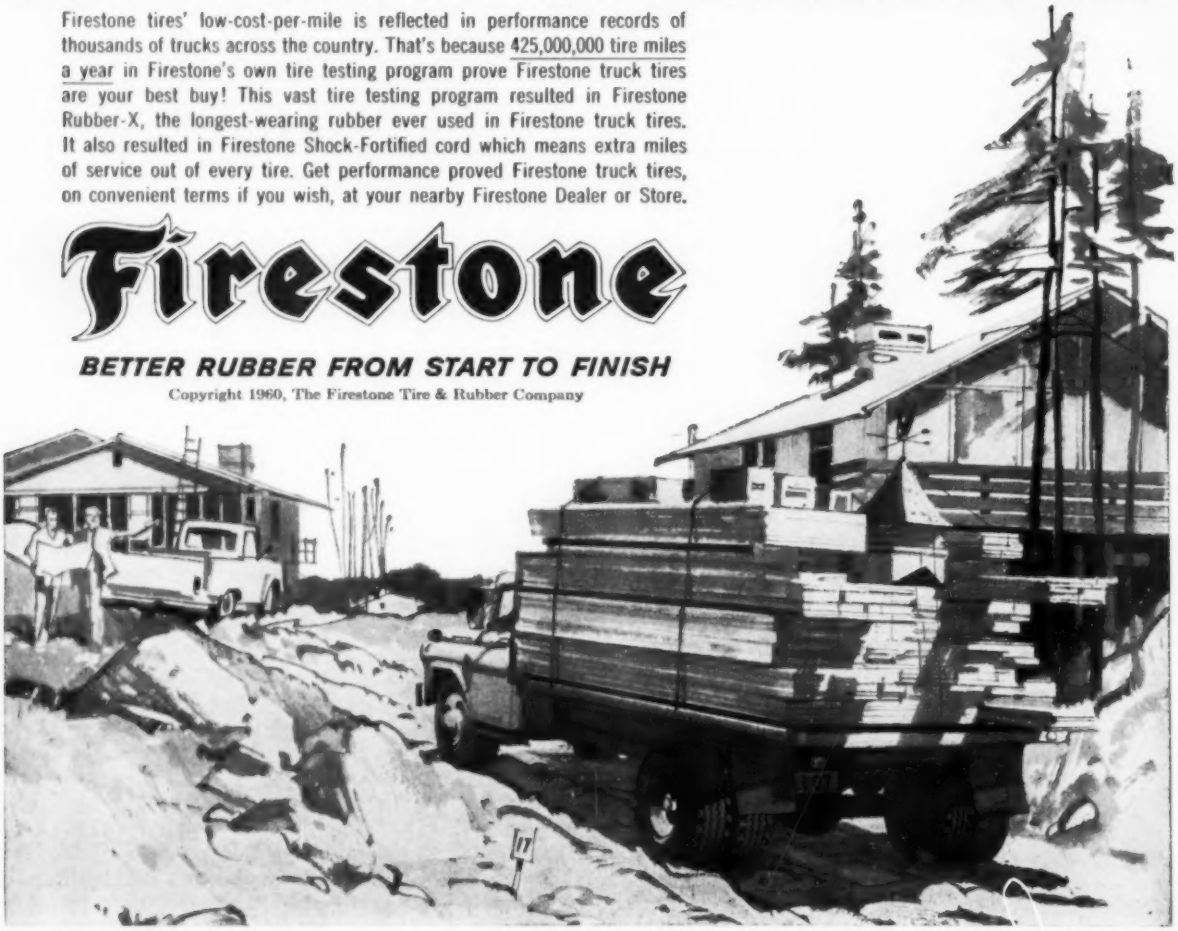

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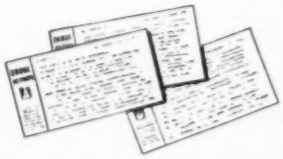

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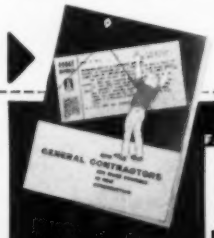

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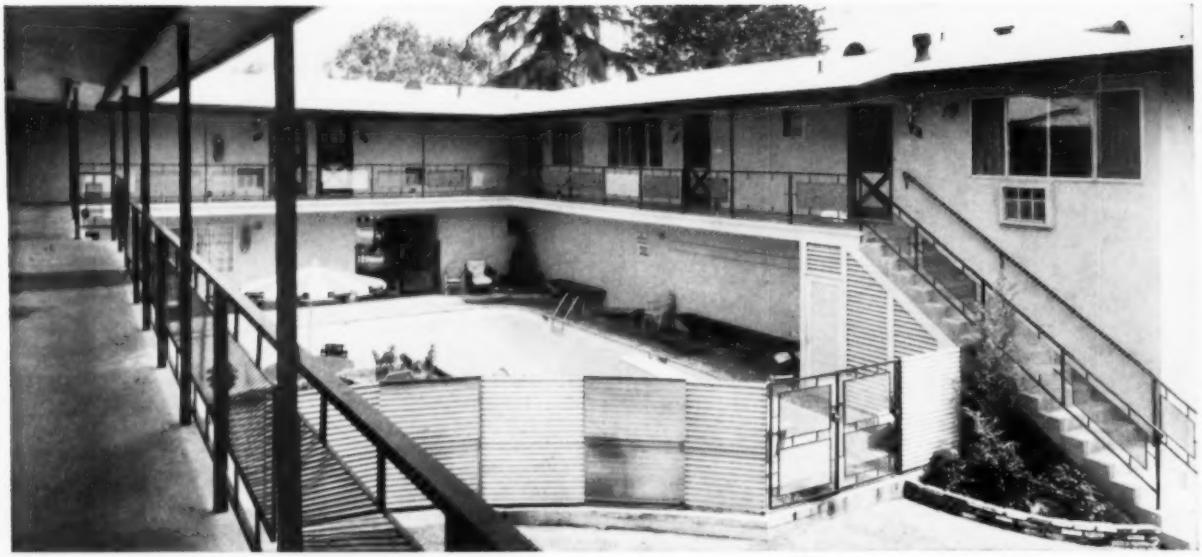


COMMUNITY POOL in interior court is a feature in many of McNutt's apartment buildings. Stairs are near parking area.

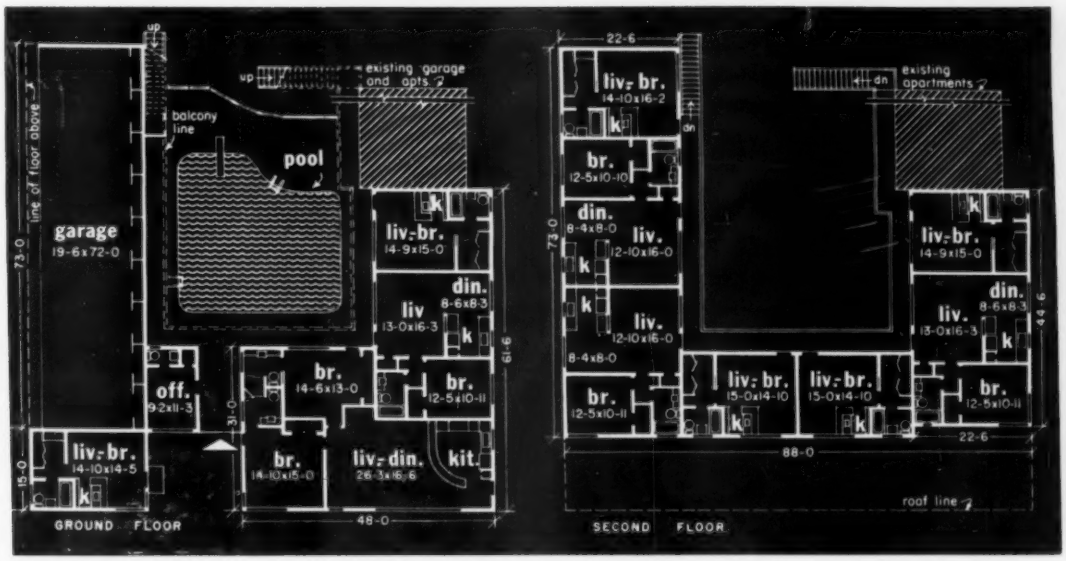
Why build apartments?

P. L. McNutt

P. L. McNutt is a 200-unit-per-year builder. The 200 units used to be houses. Now they're apartments. The changeover came about because the Californian was faced with a problem common to many volume builders—a shortage of land at a reasonable price. McNutt found that building apartments would answer the land-shortage problem and give him some additional advantages. Result: he now has a profitable building operation and a money-making investment.

1. **Land-short areas often have isolated lots suitable for and zoned for apartments.**
2. **By holding buildings for several years, added profits can be made on original investments.**
3. **Tax savings are possible through depreciation and on a long-term capital gains basis.**
4. **In tight-money periods, financing is easier to come by because of investment opportunities.**

FRONT ELEVATION shows parking area (L) which has enough space to accommodate all tenants. Site for this building (as well as others built by McNutt) was formerly improved with large house. The builder finds it cheaper to raze old homes than to buy vacant land for his apartment buildings.



ELEVEN APARTMENTS were added to existing units (also built by McNutt). Twenty units will pay for a manager.

Here are 4 good reasons

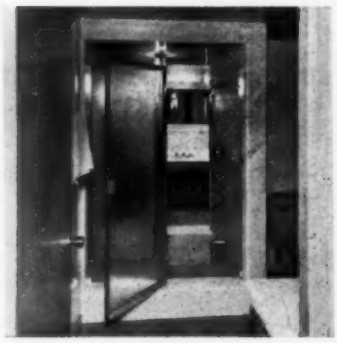
Early in 1959, after several years' retirement, P. L. McNutt decided to get back into the building business. But, when he looked over the land situation in the San Gabriel (Cal.) Valley where he had built his houses, he discovered a big change. There was no more land available for volume operation at a price suitable for the homes he could sell. So, he examined the possibility of building apartments.

Vacant land for apartments also was in short supply or overpriced. However, he did locate some lots with old houses which could be purchased for the right price. He found he could afford to have a house wrecked and moved away (usually for $1,000 to $2,000) and still come out better than if he purchased vacant property. These old homes were in the City of Arcadia which had rezoned a large area for multiples.

McNutt says he can afford to pay about $1,500 per apartment unit for land. Thus, for a 20-unit structure (the smallest he builds) he can pay $30,000 for the land. Because he needs a lot at least 85′ wide by 200′ to 250′ deep for a 20-unit building, he sometimes puts two or three lots together. Construction cost for such a building (including a normal profit) is about $135,000, or a total with land of $165,000.

McNutt can borrow 70 per cent of the cost from a savings and loan association. The ballance is his own capital or comes from "investors." These "investors" are generally private indi-

(Continued on page 18-L)



TWO BATHROOMS in large first-floor apartment are connected by a sunken stall shower. Bathrooms in other apartments have tubs, no showers.

SEMI-CIRCULAR BAR is feature of large first-floor unit. Originally occupied by the builder, this suite is now rented out for $190 per month. Living rooms of other apartments are separated from kitchens by snack bars. All kitchens have natural wood cabinets and built-ins.

DELEGATES from Ventura, Calif., tell what they want in new homes. The builder believes home sales and remodeling jobs increased in the area because women left the meeting dissatisfied with the homes they were living in.

221 women helped design

Never underestimate the power of a woman—or, in this case, women.

About a year ago, some 221 members of women's clubs in the Ventura, Calif., area attended a forum, "It's time the ladies design America's homes." The session, at which the women filled out a voluminous questionnaire, was sponsored by the Ray C. Skinner Construction Co.

Recalling the promotional value of *McCall's* Congress on Better Living, Skinner's marketing manager decided that a similar meeting on a local level could lead to valuable publicity for Skinner's homes. In addition, the builder was anxious to find out exactly what the women in the area thought should go into the homes they wanted to buy.

Results of the promotion, which cost the builder only $222.71, were incorporated into the house pictured above. It is one of the models built by Skinner in his Daly Ranch Estates Development at Ojai and has been a popular seller.

The floor plan is based on the women's preferences. For example, no formal dining room was included, because a heavy majority said they would only use such space on special occasions; but they did want a place to eat in the kitchen. Laundry facilities were placed in the utility room off a service porch on the basis of over 50 per cent of the replies favoring that location.

KITCHEN with dining space was a "must" listed by many delegates.

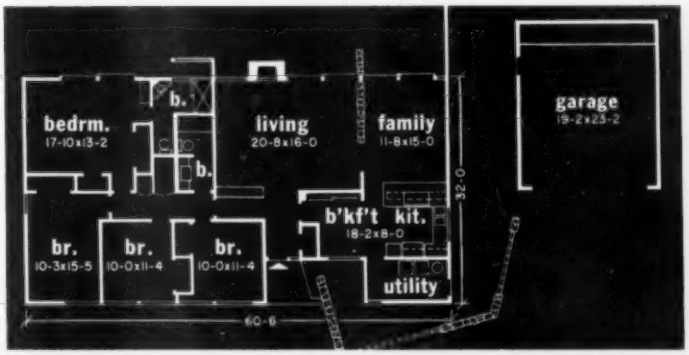
BLENDING copper, wood, and stone in living room stresses indoor-outdoor living pattern. At left of photo is built-in divider. Home is engineered for A/C.

HOME FORUM MODEL was based on women's suggestions. Priced at $26,750 (with lot), the house features such custom touches as copper tips on all beams and 1" copper strips between 2x8s that form living room ceiling.

this well-planned house

And, to meet the demand for indoor-outdoor living, sliding glass doors open the patio to the master bedroom, the living room, and the family room. In addition, the master bathroom also opens to the patio area.

Skinner is now planning lower-price developments in San Luis Obispo, in Los Angeles, and in Santa Barbara. The Ventura promotion was so successful that the builders have conducted similar market surveys in their new locations.



OPTIONAL FEATURE: a 15x30' swimming pool with filter, lighter, gas heater, and diving board, costs $2,984. To meet requests for bathroom access to pool area, Skinner included door to master bath, screened it for privacy.

Pabcowall tames the

popping nail

No more construction scars! Pabcowall, the new studless gypsum drywall system, projects a beautifully smooth surface that minimizes beading and ridging... and **eliminates** nail popping. You see, there are no nails in the field with Pabcowall!

A strong, permanent, fire-resistant, non-load-bearing gypsum partition, Pabcowall is a superior wall. Proof? Certified Laboratory Tests of compression, load-bearing, racking-shear and sound transmission qualities.

And Pabcowall, using 5/8" flame curb gypsum wallboard, has also passed the one-hour fire test in accordance with ASTM standards.

Pabcowall also saves considerable construction time and space . . . and only Pabcowall gives you a better wall at lower cost than conventional drywall construction!

For free architectural specifications, (either wood strips or steel runners) write:
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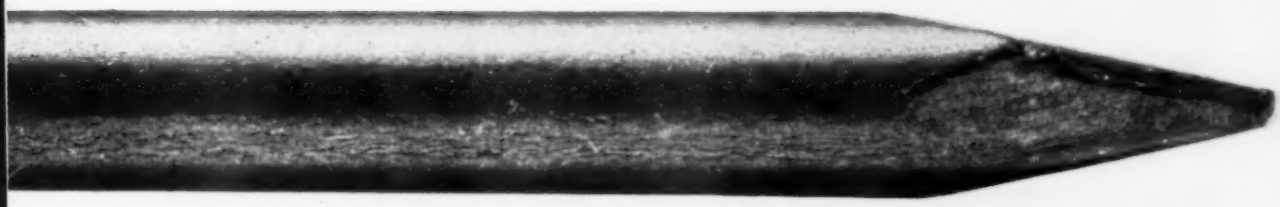
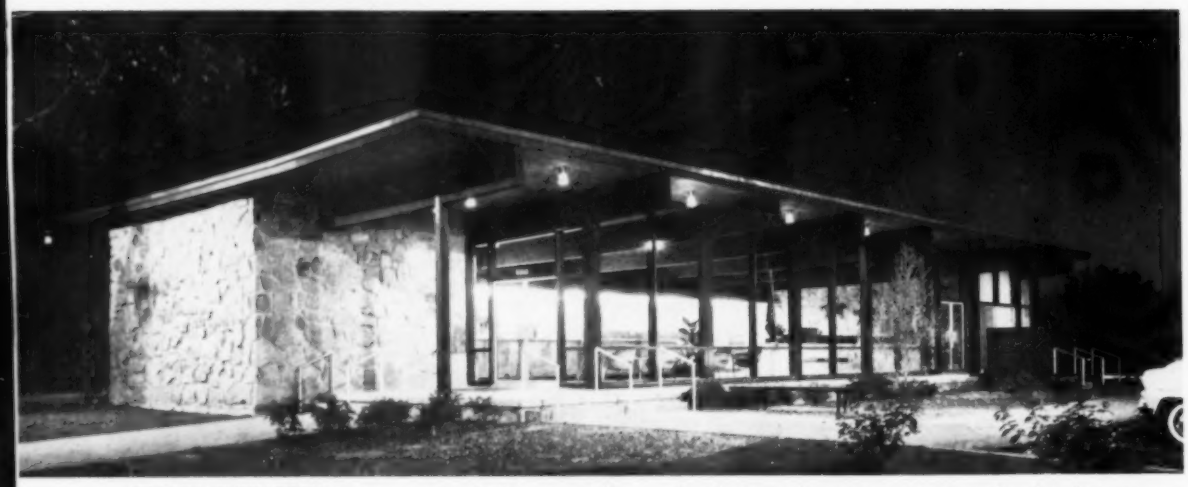
FOR QUALITY DRYWALL CONSTRUCTION, WE SUPPORT THE GDCI.



Established in the West for over 75 years, Pabco makes products specifically for Western building and decorating. Produced in the West, Pabco products are available throughout the 13 Western States. To ensure the durability and long life of its products, Pabco maintains a rigorous pre-testing program in Western areas noted for their punishing climatic extremes.

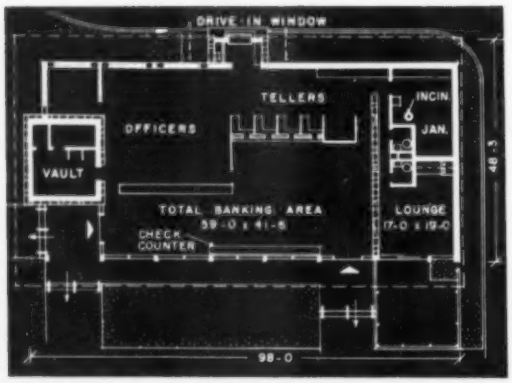
THE WEST WAS MADE FOR PABCO (AND PABCOWALL IS MADE FOR THE WEST)!

PABCO SINCE 1884



FRONT ELEVATION: stone, wood and glass—a combination of materials used in many Western houses—add to bank's home-like appearance. Rear elevation features popular drive-in facilities. (See photo on page 18P).

Extra money in the bank



APPROXIMATELY 3,780 sq. ft. of usable space is well planned so that each department of the bank is separate, yet easily accessible to the others.

Small savings institutions offer plus opportunities for contractors with home-building know-how

The day of the formal, austere savings institution is on the wane. This is true in large cities, and, even more so, in suburban communities. Banking officials have found it pays to have offices which complement surrounding properties.

This trend is money in the bank for the average home builder. It offers him the opportunity to enter a field formerly in the heavy contractor's domain. Many of these new banks are built

(*Continued on page 18P*)

SECTION of main banking room illustrates use of glue-lam Douglas Fir beams and Western red cedar deck. A combination of fluorescent and incandescent lighting is used.

EMPLOYEES' LOUNGE features dining space and cooking facilities (not shown). Walls of two restrooms are finished with enameled wallboard. Floors are mosaic tile.

Better Detail Plate on p. 18J ▶

Before you buy identify the leader *Wedgewood-Holly*

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Exciting new models, brilliantly styled to beautify any kitchen decor... Built in ovens with King size barbecue broyl oven, motorized rotisserie, oversized expandable oven and super-size visu-clear windows. Easy-to-install, 4 burner, drop in cook top with Automatic Top Burner Heat Control.

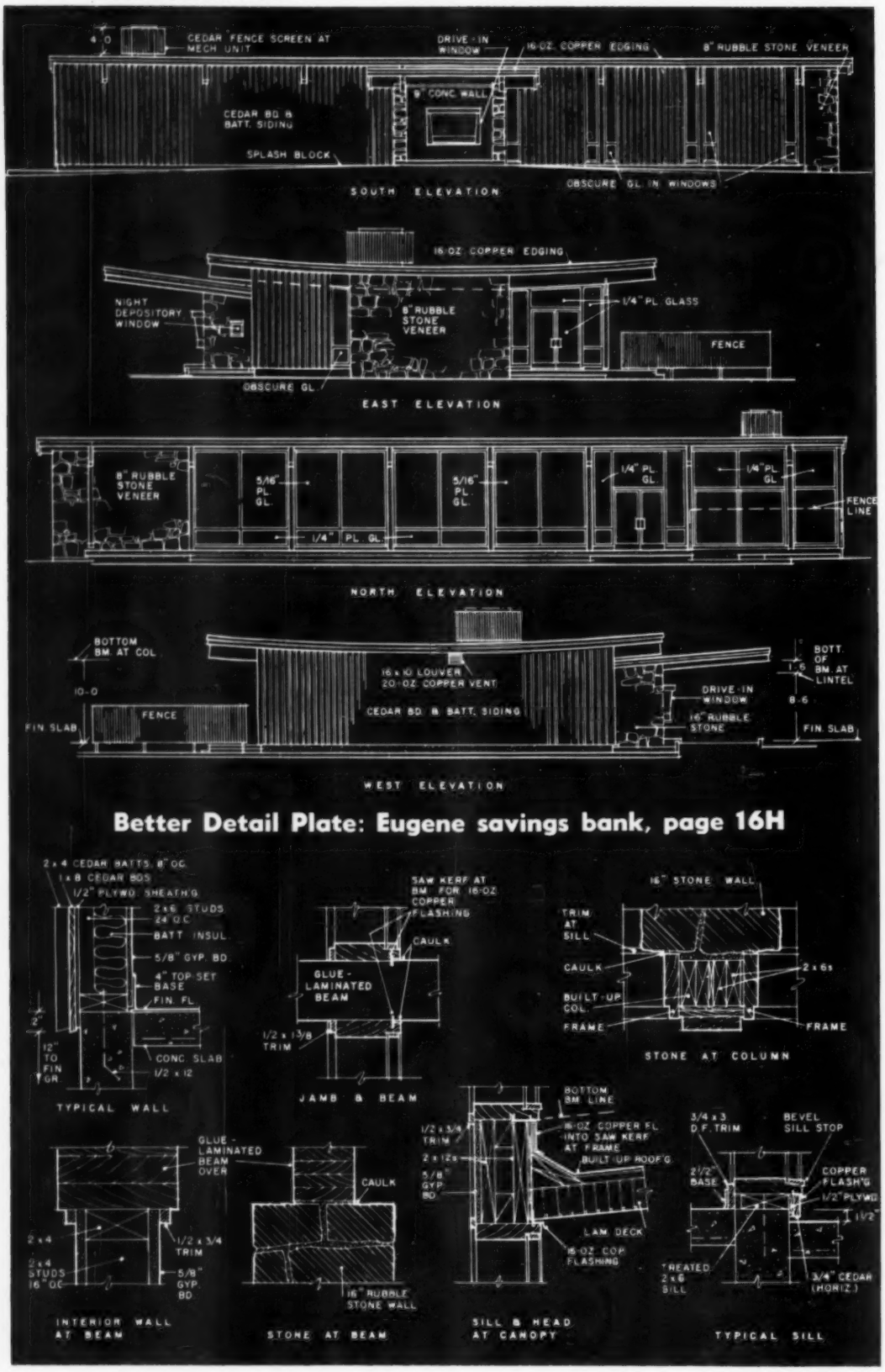
GO MODERN...GO GAS

Wedgewood-Holly

KING AND QUEEN OF THE WESTERN RANGES

APPLIANCE COMPANY

CULVER CITY, CALIFORNIA


4'-0
CEDAR FENCE SCREEN AT MECH UNIT
DRIVE-IN WINDOW
16-OZ. COPPER EDGING
8" RUBBLE STONE VENEER
9" CONC. WALL
CEDAR BD. & BATT. SIDING
SPLASH BLOCK
OBSCURE GL. IN WINDOWS
SOUTH ELEVATION
16-OZ. COPPER EDGING
NIGHT DEPOSITORY WINDOW
8" RUBBLE STONE VENEER
1/4" PL. GLASS
FENCE
OBSCURE GL.
EAST ELEVATION
8" RUBBLE STONE VENEER
5/16" PL. GL.
5/16" PL. GL.
1/4" PL. GL.
1/4" PL. GL.
1/4" PL. GL.
FENCE LINE
NORTH ELEVATION
BOTTOM BM. AT COL.
10'-0
FIN. SLAB
FENCE
16 x 10 LOUVER
20-OZ. COPPER VENT
CEDAR BD. & BATT. SIDING
BOTT. OF BM. AT LINTEL
1'-5
DRIVE-IN WINDOW
8'-6
16" RUBBLE STONE
FIN. SLAB
WEST ELEVATION
Better Detail Plate: Eugene savings bank, page 16H
2 x 4 CEDAR BATTS. 8" O.C.
1 x 8 CEDAR BDS.
1/2" PLYWD. SHEATH'G.
2 x 6 STUDS 24" O.C.
BATT. INSUL.
5/8" GYP. BD.
4" TOP SET BASE
FIN. FL.
2"
12" TO FIN. GR.
CONC. SLAB
1/2 x 12
TYPICAL WALL
SAW KERF AT BM. FOR 16-OZ. COPPER FLASHING
CAULK
GLUE-LAMINATED BEAM
1/2 x 1 3/8 TRIM
JAMB & BEAM
16" STONE WALL
TRIM AT SILL
CAULK
2 x 6s
BUILT-UP COL.
FRAME
FRAME
STONE AT COLUMN
GLUE-LAMINATED BEAM OVER
2 x 4
2 x 4 STUDS 16" O.C.
1/2 x 3/4 TRIM
5/8" GYP. BD.
INTERIOR WALL AT BEAM
CAULK
16" RUBBLE STONE WALL
STONE AT BEAM
BOTTOM BM. LINE
1/2 x 3/4 TRIM
16-OZ. COPPER FL. INTO SAW KERF AT FRAME
2 x 12s
BUILT-UP ROOF'G.
5/8" GYP. BD.
LAM. DECK
16-OZ. COP. FLASHING
SILL & HEAD AT CANOPY
3/4 x 3 D.F. TRIM
BEVEL SILL STOP
2 1/2" BASE
COPPER FLASH'G
1/2" PLYWD.
1 1/2"
TREATED 2 x 6 SILL
3/4" CEDAR (HORIZ.)
TYPICAL SILL

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APARTMENTS

(Continued from page 18C)

viduals. In one case he located a doctor who was happy to put his money into a profitable enterprise. A lawyer was an "investor" in another building.

Because McNutt has an excellent reputation and A-1 references, his "investors" feel their money is in good hands.

The builder has found it pays to hold onto the buildings for three or four years before selling them. Here's why.

- Each is set up as a separate corporation and by holding them he gets the long-term capital gains tax.
- Because we are in an inflationary period, it is probable that their value will increase.
- He minimizes his taxes because the depreciation on an apartment usually offsets the income to be reported.
- By keeping them, he nets about 15% (over and above his interest payments, etc.) on the amount he has invested in each building.
- At the end of the three- or four-year period, he will have most of his original investment back and will have made a good return on it in the interim.

Below normal rentals

McNutt does not follow the usual pattern when he rents his apartments. Instead of charging the highest possible rentals—based on a vacancy factor—he pegs his rents at about $15 lower than those in surrounding buildings. This tends to keep his units 100 per cent rented—an unusual situation in the Los Angeles area where the vacancy rate is high.

In the case of the suites shown on pages 18B and 18C, the bachelor apartments rent for $100 per month furnished. The one-bedroom units rent for the same figure unfurnished. The large apartment was originally occupied by McNutt, but is now rented out for $190.

All apartments are air conditioned with Frigidaire heat pumps—a separate one for each apartment. Actually, the a/c cost him practically nothing. Southern California Edison Co. makes an allowance when the builder installs a/c. This allowance, together with the amount separate gas heaters would have cost, paid for the heat pumps.

In addition to being air conditioned, all of McNutt's apartments are carpeted; all have natural wood cabinets and built-ins in the kitchens. Most of the buildings have swimming pools. Some of the apartments come without ranges and refrigerators to accommodate families who own appliances. On furnished units the lessee signs an agreement to pay for any damage and also signs an inventory of the furnishings.

McNutt accepts children in some buildings; in others he does not. He says a building must have at least 20 units to support a manager. The manager gets his rent free or $100 per month. His duties: collect rent, take care of watering, handle complaints, and show vacant apartments.

What's the future for apartment building? All signs indicate a growing percentage of starts will be apartments. This is particularly true in retirement areas where many persons prefer not to be involved with maintaining houses.

Fashionettes

WALL-HUNG VANITIES

give bathrooms that custom-home appeal!

Sani-Top's popular Fashionettes sink and pullman fixture makes the bathroom a glittering showcase for the entire home. Fully formed one-piece *laminated plastic* counter in stunning decorator patterns. Cabinet sides and drawer facings in *laminated plastic* woodgrains or decorator colors. Sliding doors of decorative Fiberglas. Engineered for quick, simple installation. Sizes and models to suit all needs (from 30" to 72" wide).

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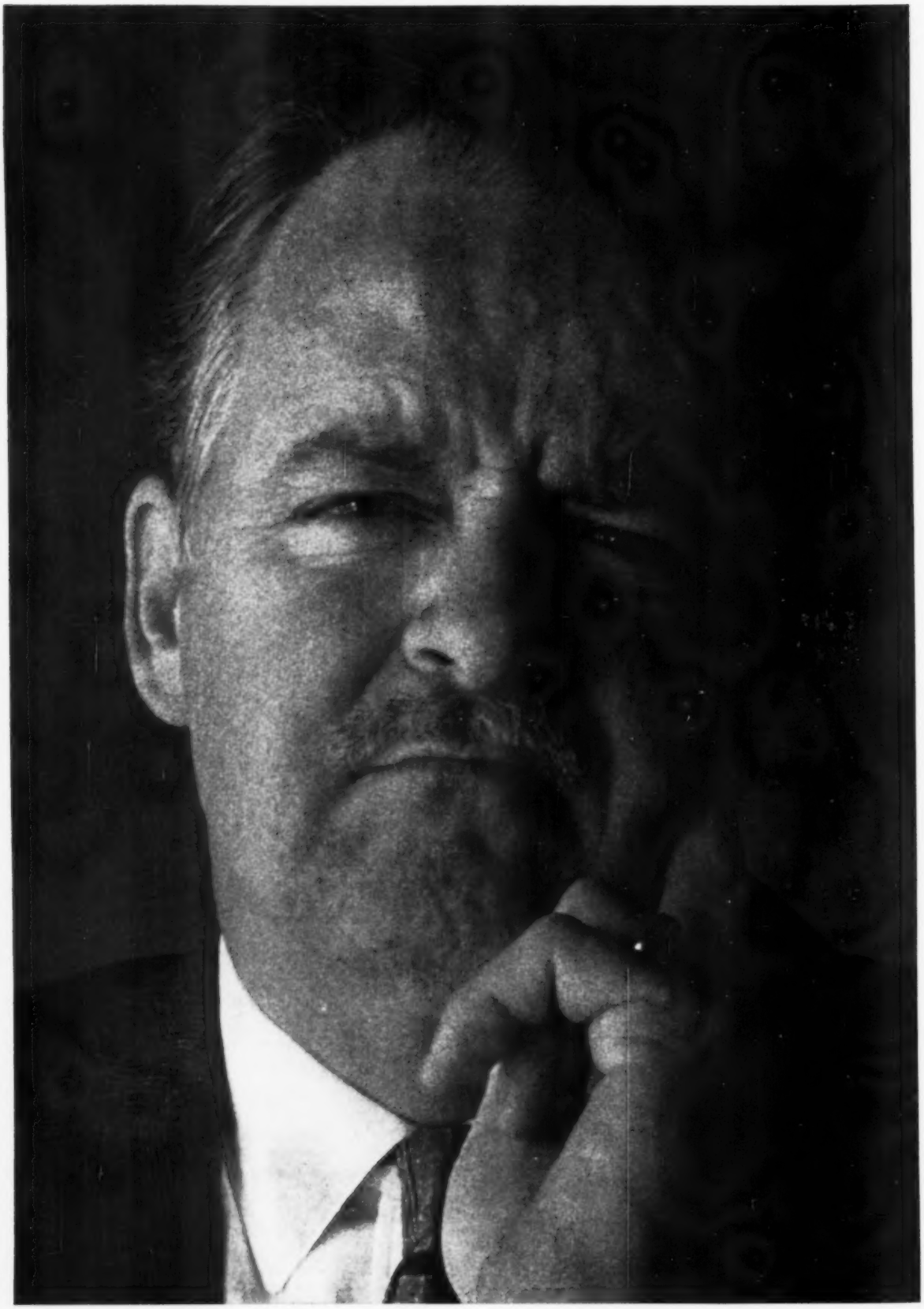
Convertible Furnaces



⟵ he can afford to be choosy

He and his wife are about to buy their second or third house. Maybe the kind they were aiming for, the first time out. They've had the headaches. And heartaches. They've learned choosiness the hard way. And they'll pull your house apart, bit by bit, looking for a flaw. What's a flaw? Sometimes it's an off-brand or a "low-price" name on a product you're using. Kills a deal before you can call out the lot size. That's exactly why the smartest builders you know put in products with "quality" names. They can't afford to take chances, either. Their reputations can't afford service call-backs. And they feature, publicize, advertise the *"Quality"* names to draw customers, help close the sale. Before you put a product in, ask yourself – does this product name match your own for quality and reputation? Certainly it does if it's

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1135 W. Huntington Drive, Arcadia, Calif.

DRIVE-IN window can be approached from the 34-car parking area or the street.

(*Continued from page 18H*)
like new homes. Others are simple one- or two-story light commercial structures well within the home builder's province.

A typical example is the Eugene, Ore., River Road branch of the United States National Bank of Portland. In both appearance and construction methods, the savings institution could be a typical new "home."

Structurally, the bank features a bowed roof line supported on concave arched glue-lam Douglas Fir beams. The roof is Western red cedar deck, visible from inside the bank.

The employees' lounge could well be the family room of many of today's new homes. Walls are surfaced with walnut paneling and there are cooking facilities.

Heating and cooling is accomplished with a reverse cycle air-to-air heat pump. Copper coils throughout the floor slab provide auxiliary heat.

Youel & Huffman of Eugene was the contractor; Wilmsen and Endicott, A.I.A., Eugene, were the architects.

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A2	A29	A56	A83	A110	A137	A164	A191	A218	A245	A272	A299	A326	A353	A380	A407	A434	A461	A488	A515
A3	A30	A57	A84	A111	A138	A165	A192	A219	A246	A273	A300	A327	A354	A381	A408	A435	A462	A489	A516
A4	A31	A58	A85	A112	A139	A166	A193	A220	A247	A274	A301	A328	A355	A382	A409	A436	A463	A490	A517
A5	A32	A59	A86	A113	A140	A167	A194	A221	A248	A275	A302	A329	A356	A383	A410	A437	A464	A491	A518
A6	A33	A60	A87	A114	A141	A168	A195	A222	A249	A276	A303	A330	A357	A384	A411	A438	A465	A492	A519
A7	A34	A61	A88	A115	A142	A169	A196	A223	A250	A277	A304	A331	A358	A385	A412	A439	A466	A493	A520
A8	A35	A62	A89	A116	A143	A170	A197	A224	A251	A278	A305	A332	A359	A386	A413	A440	A467	A494	A521
A9	A36	A63	A90	A117	A144	A171	A198	A225	A252	A279	A306	A333	A360	A387	A414	A441	A468	A495	A522
A10	A37	A64	A91	A118	A145	A172	A199	A226	A253	A280	A307	A334	A361	A388	A415	A442	A469	A496	A523
A11	A38	A65	A92	A119	A146	A173	A200	A227	A254	A281	A308	A335	A362	A389	A416	A443	A470	A497	A524
A12	A39	A66	A93	A120	A147	A174	A201	A228	A255	A282	A309	A336	A363	A390	A417	A444	A471	A498	A525
A13	A40	A67	A94	A121	A148	A175	A202	A229	A256	A283	A310	A337	A364	A391	A418	A445	A472	A499	A526
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American Builder
Reader Service

★ APRIL 1960

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☐ Builder, Contracter ☐ Sub-contractor ☐ Building own home ☐ Architect ☐ Engineer

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Plans, systems, office equipment

BUSINESS COMPUTATIONS are simplified by use of many types of slide rules described in booklet. Rapid figuring of pricing, operating ratios, installment accounts and investments is explained. Plenty of planning details.—W. H. Pusch Co.

Circle No. A1 on reply card, p. 19

TRANSISTORIZED POWER for two-way radio is explained here. Booklet and brochures emphasize absence of vibrator nuisance and electrical interference. Lists base station equipment. —Motorola, Inc.

Circle No. A2 on reply card, p. 19

Transits, levels

FIELD EQUIPMENT for builders ranging from transits to marking rods is covered here. All are described and illustrated in detail in the 26 pages. Drawings, charts, how-to-use details included.—Warren-Knight Co.

Circle No. A3 on reply card, p. 19

LEVELING INSTRUMENTS brochure has ordering information with comlete list of parts and price of each. Listed are the contractors' level and two models of the convertible.—Bostrom-Brady Mfg. Co.

Circle No. A4 on reply card, p. 19

LEVELS CATALOG features two levels new to the trade. Gives ordering information, with illustrations of complete range of leveling tools.—Empire Level Mfg. Co.

Circle No. A5 on reply card, p. 19

SURVEYING INSTRUMENTS, from level-transits to alidades, pictured in excellently-illustrated booklet. Cutaways show optical systems. Specifications, how-to-use details, retail price list.—David White Instrument Co.

Circle No. A6 on reply card, p. 19

Tractors and attachments

NEW TRACTAIR, combination tractor and 125-cfm air compressor, is described in this catalog. The double-duty unit travels at 15 mph and will work in rough terrain. Action photos, work capacities, etc.—LeRoi Div., Westinghouse Air Brake Co.

Circle No. A7 on reply card, p. 19

TILLER-RAKE which permits efficient seedbed preparation with one tool is described. Pamphlet shows multi-purpose tool in operation, with specifications of various models, detail product information.—Roseman Tractor Equipment Co.

Circle No. A8 on reply card, p. 19

TRACTOR ATTACHMENTS in a wide variety are illustrated in folder. Complete description of all models and sizes, with specifications for each.—The Frank G. Hough Co.

Circle No. A9 on reply card, p. 19

UTILITY TRACTORS and companion equipment that Allis-Chalmers is offering in 1960. Described in a 12-page, two-color catalog. How to use equipment profitably on wide range of jobs. Photos, sizes, possibilities of equipment.—Allis-Chalmers Mfg. Co.

Circle No. A10 on reply card, p. 19

BLADE CONTROL for grader that is dial selecting, all-transistor, fully automatic is shown in new brochure. Also folder on money-saving back rippers for tractor-dozer blades.—Preco, Inc.

Circle No. A11 on reply card, p. 19

Ahead, 17 more pages of catalogs ▶

BACKHOES, tractor shovels, and hydraulic hammers are among products described in this series of catalog sheets. List specifications, attachments, etc.—Henry Mfg. Co., Inc.

Circle No. A12 on reply card, p. 19

CRAWLER TRACTOR is described in colorful 15-page booklet. Contains technical information and lists accessories. Versatility of machine is fully illustrated.—The Oliver Corp.

Circle No. A13 on reply card, p. 19

BACKHOES and loaders plus rear blades and brooms are featured in this folder. Complete specifications and list of attachments for each of the units is included.—Shawnee Mfg. Co., Inc.

Circle No. A14 on reply card, p. 19

Trucks and parts

TRUCK EQUIPMENT is described fully in thick catalog. Complete line ranges from power gates and hoists to dump bodies and power loaders. —Daybrook Div., Young Spring & Wire Corp.

Circle No. A15 on reply card, p. 19

MATERIAL HANDLING trucks outlined in punched brochure. Lift trucks with cushion or pneumatic tires are pictured. Tables of performance, dimensions, equipment. Lists all attachments.—Hyster Co.

Circle No. A16 on reply card, p. 19

TRUCKS FOR LIGHT HAULING are illustrated in colorful 20-page booklet. Cutaway drawings show construction, loading capacity. Specifications included.—Volkswagon of America, Inc.

Circle No. A17 on reply card, p. 19

Earth-moving equipment

SELF-PROPELLED TRENCHERS are shown and described in handy folder. Gives technical details and specifications on trencher which has many functions.—Charles Machine Works.

Circle No. A18 on reply card, p. 19

HEAVY CRANE with 11-ton lifting capacity is described here. Illustrated catalog covers complete line of accessories and attachments. Also shows how crane does wide variety of jobs. —Schield Bantam Co.

Circle No. A19 on reply card, p. 19

HYDRAULIC EXCAVATOR catalog describes and illustrates versatile line. Describes uses, gives complete specifications and other technical data.—Construction Equipment Div., Warner & Swasey Co.

Circle No. A20 on reply card, p. 19

LAND PLANNING equipment brochures illustrate shredders and brush cutters. Shows new four-row shredder, other types. Includes clippers, mowers, terracers, blades.—Servis Equipment Co.

Circle No. A21 on reply card, p. 19

DITCHERS, CONVEYORS are described in various catalogs and brochures. Feature Runabout ditcher, and the 702A for small building foundations, underground installation.—Barber-Greene Co.

Circle No. A22 on reply card, p. 19

EARTH-MOVING EQUIPMENT of all types. Shown in a ten-page booklet. Details scrapers, rear-dumps, tractors and accessories. Gives all specifications, work loads, matching attachments. Complete earth-moving picture.—LeTourneau-Westinghouse Co.

Circle No. A23 on reply card, p. 19

MOWING EQUIPMENT for lawns and larger areas are described in catalog and brochures. Various motorized models include wind-tunnels, riders, edge trimmers, gang-mowers, etc.—Toro Mfg. Co.

Circle No. A24 on reply card, p. 19

LOADERS, BULLDOZERS, tilt-trailers, angling dozers are covered in fold-out brochure. Detailed drawings of tractor accessories and specifications list.—J. I. Case Co.

Circle No. A25 on reply card, p. 19

NEW LINE of tractors, crawler-loaders, and other earth-moving machines are described in a new folder. Brochure pictures, gives complete specs on all models; also tells how to buy the machines on credit.—John Deere Industrial Div.

Circle No. A26 on reply card, p. 19

EARTH-MOVING EQUIPMENT line is listed in colorful, extensive catalog. Gives specifications, data on machines and accessories.—Ottawa Steel Div., Young Spring & Wire Corp.

Circle No. A27 on reply card, p. 19

INFORMATION KIT on gasoline-driven trencher contains illustrations, complete technical data. Outlines advantages of machine which digs 3"-wide trench.—Stampings, Inc.

Circle No. A28 on reply card, p. 19

ECONOMICS of transforming low-cost land into valuable real estate with dredges is the subject of this bulletin. Describes two actual case histories. —Ellicott Machine Corp.

Circle No. A29 on reply card, p. 19

TRENCHERS, both light- and heavy-duty, are described in separate catalogs. Both discuss and illustrate wide range of speeds, head widths, and cutter-arm lengths. Details, how-to-use information.—Arps Corp.

Circle No. A30 on reply card, p. 19

POWER ROLLERS, portable pumps, space heaters for construction, bar bending and shearing machines are subjects of a series of folders. Complete specifications, photos, models given.—Midland Products Co.

Circle No. A31 on reply card, p. 19

LAND CLEARING equipment illustrated in four-page brochure. Shows pull-stumpers, treedozers, root plows and rolling choppers. Root, brush and rock rakes in action photos.—Fleco Corporation.

Circle No. A32 on reply card, p. 19

EARTH-MOVING EQUIPMENT illustrated in new 20-page catalog. Contains model views and brief specifications on graders, track-type tractors, bulldozers, rippers, and many others. —Caterpillar Tractor Co.

Circle No. A33 on reply card, p. 19

CONCRETE, MASONRY, TILE AND BRICK

Concrete, concrete masonry

PERLITE'S USES are covered thoroughly in three brochures. Functions as a lightweight fireproofing material, and as an aggregate with plaster and concrete. Fact-packed with helpful data.—Perlite Institute, Inc.

Circle No. A34 on reply card, p. 19

INSULATING CONCRETE which uses Permalite as an aggregate instead of sand or gravel is the subject of this catalog. Special attention is given to the details of roof deck and floor fill uses.—Great Lakes Carbon Corp.

Circle No. A35 on reply card, p. 19

RUBBER CONTROL JOINTS, both wide flange and regular, for use in masonry wall is discussed in leaflet. Includes specification charts and illustrations of installation methods. Plenty of helpful how-to information. —Cedar Rapids Block Co.

Circle No. A36 on reply card, p. 19

SELECTED AGGREGATES for construction of curtain wall panels and facings are illustrated in 15-page booklet. Emphasizes advantages of precast panels. How-to information is detailed with photos, technical drawings and other details and specs.—General Portland Cement Co.

Circle No. A37 on reply card, p. 19

Brick, stone, tile, masonry

STRUCTURAL CLAY PRODUCTS are subject of colorful 23-page technical booklet. Shows tile and brick for interior and exterior construction, other products for conduit, sewer.—Natco Corp.

Circle No. A38 on reply card, p. 19

HAND-MADE terra-cotta tiles are illustrated in a variety of designs in this booklet. The imported tiles are shown along with ideas for installation.—Three Centuries.

Circle No. A39 on reply card, p. 19

TILE FOLDER gives sizes and patterns in color. Roof tile, quarry tile, and facing brick are covered, along with suggested installation procedures. Good technical information included. —Ludowici-Celadon Co.

Circle No. A40 on reply card, p. 19

ADVANTAGES of Tennquartz as a building stone are discussed in four-pager. Illustrates various uses of stone, along with full specifications.—Tennessee Stone Co.

Circle No. A41 on reply card, p. 19

SANDSTONE portfolio has brochures covering preparation, wall and flagstone patterns, wall sections, setting techniques, uses. Illustrated with photos and detailed drawings. Packed with good technical data.—The Briar Hill Stone Co.

Circle No. A42 on reply card, p. 19

NATURAL STONE illustrated in 1960 catalog. Gives chemical composition and specifications for rock- and strata-face veneer, and flagstone. Details also on curtain wall panels, mantels, hearths, etc. Information shown in photos, charts and spec lists.—Tennessee Stone Co., Inc.

Circle No. A43 on reply card, p. 19

Reinforcing steel

WELDED WIRE FABRIC has its role as a concrete reinforcement outlined in this 16-page illustrated manual. Uses detailed: basement floors, drives, patios, slabs, and steps. Catalog is filled with illustrating photos, detail studies, technical information.—Wire Reinforcement Institute, Inc.

Circle No. A44 on reply card, p. 19

FRAMING

Framing, structural lumber

DATA ON GRADES and specifications of various types of West Coast lumber are given in 16-page booklet. Contains technical data, charts, and conversion tables, along with photos.—West Coast Lumbermen's Assn.

Circle No. A45 on reply card, p. 19

DESIGN MANUAL is offered to builders interested in working with laminated wood structures. Includes not only ideas, but information on the capabilities of laminated wood.—Unit Structures, Inc.

Circle No. A46 on reply card, p. 19

FIRE-RETARDANT LUMBER is described in one booklet, pressure-treated Douglas fir poles in another. Both discuss processing, testing, advantages, uses.—J. H. Baxter & Co.

Circle No. A47 on reply card, p. 19

WOOD PRODUCTS from forest to finished lumber illustrated in catalog. Economy of mixed car-loading of sheathing, siding, shingles, panels is shown.—Summitt Timber Co.

Circle No. A48 on reply card, p. 19

LUMBER GUIDE of the SPA lists lumber companies and the products they handle. Information is classified according to species, equipment, items manufactured.—Southern Pine Association.

Circle No. A49 on reply card, p. 19

Structural steel

OPEN-WEB STEEL JOISTS, designed for commercial structures, are described and specified. Spans from 25 ft. to 152 ft., along with charts, are covered.—Haven-Busch Co.

Circle No. A50 on reply card, p. 19

MORE STRENGTH at lower cost with structural-steel tubing is subject of four-page folder with inserts. Mechanical data of square and rectangular tubing given.—Equipment Steel Products.

Circle No. A51 on reply card, p. 19

STRUCTURAL STEEL is included in thick steel products catalogs. Describe fence, girders, wire, nails, staples. Information includes drawings, photos, charts.—Colorado Fuel & Iron Corporation.

Circle No. A52 on reply card, p. 19

STEEL JOISTS are described in this 52-page catalog. Index covers joist construction, standards, loading and design tables, accessories, specifications. Drawings, charts.—Laclede Steel Company.

Circle No. A53 on reply card, p. 19

Trusses, connectors

H-BRACE TRUSSES using clinch-nail connectors are given a detailed description in this two-color folder. Data on hip-roof designs is included, too. —H-Brace, Inc.

Circle No. A54 on reply card, p. 19

LAMINATED TRUSSES, arches and beams are fully described here. Data ranges from design characteristics to load-bearing abilities in 20-page catalog.—Rilco Laminated Products, Inc.

Circle No. A55 on reply card, p. 19

JOIST HANGERS and beam hangers are described in handy five-page booklet. Gives technical data, construction details, and tells how to figure sizes. Includes a list of distributors.—Timber Engineering Co.

Circle No. A56 on reply card, p. 19

PLYWOOD CLIPS and many other types of connectors, such as timber rings, wall ties and door buck anchors, are featured in this eight-pager. Prices quoted.—Cleveland Steel Specialty Co., Inc.

Circle No. A57 on reply card, p. 19

Metal lath and accessories

METAL LATH and accessories are covered in the 20 pages of this reference catalog. Plenty of easy-to-read detail drawings are included with specifications.—Inland Steel Co.

Circle No. A58 on reply card, p. 19

ANGLE-RITE ELIMINATES plaster cracks by locking gypsum lath in corners and ceiling angles. Brochure shows setting methods, special problems, quantities needed.—Butcher & Hart Mfg. Co.

Circle No. A59 on reply card, p. 19

METAL LATH and plaster uses given in quarterly brochure. Close-up photos of lathing installation, plastering methods. Industrial and commercial advantages, fire safety, versatility shown.—Metal Lath Mfrs. Assn.

Circle No. A60 on reply card, p. 19

Curtain walls

CURTAIN WALL SYSTEMS of aluminum or steel are subject of 20-page catalog. Specifications and main features are clearly presented. Includes many details.—William Bayley Co.

Circle No. A61 on reply card, p. 19

ALUMINUM WALL SYSTEMS completely illustrated in 19-page catalog. Covers architectural and engineering aspects of curtain-wall construction. Gives drawings, diagrams, suggested specifications.—Kawneer Co.

Circle No. A62 on reply card, p. 19

CURTAIN WALLS, window walls, awning windows, weatherstripped jalousies are described here. Catalogs and brochures cover all-aluminum products. Drawings and specifications. —Superior Window Co.

Circle No. A63 on reply card, p. 19

ALUMINUM CURTAIN WALLS for institutional and commercial buildings described in 11-page catalog. Gives complete information, drawings of all types and sizes.—Valley Metal Products Co.

Circle No. A64 on reply card, p. 19

CURTAIN WALLS of aluminum and steel are described in series of booklets. Fold-outs show details of construction and installation. Spec sheets, suggested uses, etc.—Ceco Steel Products Corp.

Circle No. A65 on reply card, p. 19

ROOFING, SIDING, INSULATION, SHEATHING

Roof structure

SEAMLESS TERNE ROOFING is the subject of this 12-pager. A wealth of detail drawings are included. Contains several pages of notes and facts on roofing.—Follansbee Steel Corp.

Circle No. A66 on reply card, p. 19

Shingles, shakes

CEDAR SHAKE SIDING story is told in a full-color folder which gives merits of prefinishing. Comes with single sheet containing technical data. —Shake-A-Ply Co.

Circle No. A67 on reply card, p. 19

ROOFING AND SIDING are the main types of products covered in this comprehensive catalog of building products. Full-color lines of both materials are shown.—The Ruberoid Co.

Circle No. A68 on reply card, p. 19

CEDAR SHINGLES and shakes . . . detailed in 16-page catalog. Offers house-plan ideas and cutaways of application methods. Explains shingling material, gives shipping sizes.—Red Cedar Shingle Bureau.

Circle No. A69 on reply card, p. 19

COLORFUL SHINGLE brochures and catalogs discuss construction and features of Master-Bilt shingles. Also contain color scheme charts, emphasize extra tab width, triple coverage, etc.—Bird Shingles.

Circle No. A70 on reply card, p. 19

SIDING and shingles, made of asbestos plus cement with baked-ceramic finish, are described in series of colorful booklets. Includes tecnhical data.—The Philip Carey Mfg. Co.

Circle No. A71 on reply card, p. 19

RED CEDAR SHAKES colorfully described in booklet and brochure. Illustrate variety of applications in both new-home construction and remodeling.—Shakertown Corp.

Circle No. A72 on reply card, p. 19

COMPLETE DATA on red cedar shingles and shakes. Coursing, coating, sheathing, nailing discussed along with an optional color plan. You'll find these in a 42-page, four-color booklet.—Creo-Dipt Company.

Circle No. A73 on reply card, p. 19

Siding

PLYWOOD PANELING, hardboards, siding and sheathing . . . colorfully illustrated in booklet. Photos give installation ideas. Lists all specifications, prices.—Georgia-Pacific Corp.

Circle No. A74 on reply card, p. 19

HARDWOOD PLYWOOD catalog has 33 pages with index. Discusses every aspect of this building material. Gives recommended specifications, dimensions, construction, various patterns.—U. S. Plywood Corp.

Circle No. A75 on reply card, p. 19

FIR PLYWOOD'S physical properties, types, grades, uses, sizes, and special products are discussed in 16-page booklet. Specification charts and illustrations included.—Douglas Fir Plywood Assn.

Circle No. A76 on reply card, p. 19

BUILDERS FILE on California Redwood contains technical information on use in home construction. Data sheets cover yard grades, siding patterns, application helps. Profusely illustrated.—California Redwood Assn.

Circle No. A77 on reply card, p. 19

PUBLICATIONS FOLDER lists variety of catalogs dealing with all types of western pine. Tells how to get plans, ideas, booklets, technical aids, sales aids, etc.—Western Pine Assn.

Circle No. A78 on reply card, p. 19

INSULATING SIDING is covered in slim brochure. Ceramic siding is illustrated in various colors, with accessories required for installation.—Edco Products Inc.

Circle No. A79 on reply card, p. 19

Insulation

INSULATION GUIDE prepared for home owners is of interest to builders. Brochure contains easy-to-understand information on residential insulation of different types.—Zonolite Co.

Circle No. A80 on reply card, p. 19

INSULATING BOARDS are itemized in pocket-sized handbook. Describes advantages and uses of the weatherproof boards. Lists wide variety of forms and thicknesses.—Homasote Co.

Circle No. A81 on reply card, p. 19

TWO FOLDERS are available—one on insulating board and the other on batt or blanket-type insulation. Both outline application and performance for small commercial buildings and houses.—Wood Conversion Co.

Circle No. A82 on reply card, p. 19

INSULATION WOOL is designed to provide all-weather protection. Brochure describes features and advantages of glass fibre product, emphasizes heating economy.—Sealtite Insulation Mfg. Corp.

Circle No. A83 on reply card, p. 19

WOOL INSULATION described in series of booklets. Block, blanket, spun-felt and pipe insulation as well as insulating cement detailed. Application techniques, thermal conductivity graphs.—Baldwin-Ehret-Hill, Inc.

Circle No. A84 on reply card, p. 19

FOAMED PRODUCTS used in insulation and sandwich panels are discussed here. Many different building materials are analyzed in terms of properties and uses in this brochure.—Dow Chemical Co.

Circle No. A85 on reply card, p. 19

BUILDING INSULATION—how it works, why and where it should be used—is covered in thick booklet. It is designed to keep readers up with latest data.—Insulation Board Institute.

Circle No. A86 on reply card, p. 19

Vapor barriers

VAPOR BARRIER is described in illustrated folder. Discusses use of polyethylene film and reasons for vapor protection. Gives architect's specifications.—E. I. du Pont de Nemours & Co., Inc.

Circle No. A87 on reply card, p. 19

PERMANENT BARRIER FILM of polyethylene described here. Brochure lists three types: clear, sun-resistant and opaque, and gives uses, advantages and applications of each.—Gering Plastics.

Circle No. A88 on reply card, p. 19

Flush doors

WIDE VARIETY of decorative exterior flush doors are shown in well-illustrated, extensive catalog. Many design features are also covered.—Visador Co.

Circle No. A89 on reply card, p. 19

STEEL DOORS and frames are fully illustrated with diagrams and specifications in 23-page booklet. Stresses louvered panels, folding steel closet units.—Amweld Building Products.

Circle No. A90 on reply card, p. 19

STEEL DOORS and accessories are described in 17-page catalog. Numerous illustrations and charts give technical details on construction and installation.—Steelcraft Mfg. Co.

Circle No. A91 on reply card, p. 19

PREHUNG DOORS are featured in two folders, one for exterior and the other for interior doors. Both folders contain many details and data on installation.—Ready Hung Door Corp.

Circle No. A92 on reply card, p. 19

FULL LINE OF DOORS and windows illustrated in two brochures. Drawings show structural details. Chart shows 19 decorator colors; in steel and aluminum. Plenty of specs, data.—The F. C. Russell Co.

Circle No. A93 on reply card, p. 19

PRE-HUNG WOOD DOOR unit with expandable door jamb shown in this brochure. Also described is pre-hung louver door unit. Installation details, drawings, other specifications given.—Champion Door Co.

Circle No. A94 on reply card, p. 19

DOOR UNITS of hollow metal, with all accessories, are described in comprehensive catalog. Information includes detailed cross-section drawings, charts, engineering data, specifications. —Fenestra, Inc.

Circle No. A95 on reply card, p. 19

Folding, sliding doors

FOLDING DOORS are subject of illustrated color catalog. A 20-page brochure gives technical information, installation details on wood casement windows.—Rolscreen Co.

Circle No. A96 on reply card, p. 19

FOLDING DOORS are illustrated and described in pamphlet. Three models are shown, along with charts listing available sizes of full and half unit doors.—American Steel Door Co.

Circle No. A97 on reply card, p. 19

FOLDING DOORS in two types to fit any need are subject of four-page brochure. Gives specifications, describes such features as the narrow profile, decorator cornice.—Holcomb & Hoke Mfg. Co.

Circle No. A98 on reply card, p. 19

FOLDING DOORS for residential and commercial installations are illustrated in 15-page catalog. Drawings show installation of various types, accessories, hardware, and details.—American Accordian-Fold Doors, Inc.

Circle No. A99 on reply card, p. 19

WOOD FOLDING DOORS, designed to never fade, control space and sound, are reviewed in colorful booklet. Gives specifications, dimensions, describes all features.—Panelfold Doors, Inc.

Circle No. A100 on reply card, p. 19

ROLLING DOORS, steel or aluminum for industrial installations, are given complete coverage in 35-page catalog. Information includes photos, drawings, charts, construction features.—The Kinnear Mfg. Co.

Circle No. A101 on reply card, p. 19

FOLDING DOORS are illustrated in 11-page catalog. Covers acoustical properties, accesories, hardware, installation, specifications, colors. Brochures show basswood and mahogany types.—Hough Mfg. Corp.

Circle No. A102 on reply card, p. 19

Sliding glass doors

COMPLETE LINE of aluminum sliding glass doors are described in 10-page pamphlet. Includes types and sizes of doors, glass sizes and details of construction.—Ador Corp.

Circle No. A103 on reply card, p. 19

ALUMINUM WINDOWS and sliding glass doors are described in two colorful folders. Good detail diagrams & specifications.—Hollyview Aluminum Sliding Glass Doors, Windows.

Circle No. A104 on reply card, p. 19

GLASS DOORS and windows, sliding, rolling and floating types, pictured in looseleaf portfolio. Complete details, in drawings and tables, construction and installation. All sizes and specifications are given.—Nudor Mfg. Co.

Circle No. A105 on reply card, p. 19

ALUMINUM WINDOWS and sliding glass doors are described in 15-page booklet. Illustrations include cross-section drawings and specifications for all styles and types.—Fleet of America, Inc.

Circle No. A106 on reply card, p. 19

Garage doors

GARAGE DOORS catalog is designed to aid builder in blending attached garage into front elevation. More than 100 designs, in styles from early American to contemporary, are described. —Graham Industries, Inc.

Circle No. A107 on reply card, p. 19

COMPLETE LINE of overhead garage doors and door hardware is described in four colorful brochures. All doors available with wide or narrow panels. —Franz Manufacturing Co.

Circle No. A108 on reply card, p. 19

VARIETY OF GARAGE doors and electric operators, radio controlled, are subject of folder. Gives specifications of all stock sizes, describes outstanding features, shows various designs.—Calder Mfg. Co.

Circle No. A109 on reply card, p. 19

UPWARD-ACTING DOORS are covered in 20-page catalog. Index for residential section includes customized designs, torsion spring, extension spring, operators, etc.—Crawford Door Co.

Circle No. A110 on reply card, p. 19

ONE-PIECE GARAGE DOORS for residential installations are featured in brochure covering all types. Gives specifications, describes features, installations.—Berry Door Corp.

Circle No. A111 on reply card, p. 19

OVERHEAD DOORS for residential garages are illustrated in three brochures. They emphasize quality and appearance, give specifications, various styles.—Overhead Door Corp.

Circle No. A112 on reply card, p. 19

UPWARD-TYPE DOORS for garage and other uses, illustrated in series of pamphlets. Shows manual- and automatic-operated installations. Offers panel styles and specifications.—Raynor Mfg. Co.

Circle No. A113 on reply card, p. 19

RESIDENTIAL GARAGE DOORS in many styles and designs. Illustrated in an eight-page booklet. Shows construction, parts, jamb details, clearances required. Specifications and stock sizes of each.—The Howell Mfg. Company.

Circle No. A114 on reply card, p. 19

STEEL SECTIONAL DOORS catalog includes residential garage doors. Drawings show framing details and complete specifications for two models —Imperial and Regent.—Morrison Steel Products, Inc.

Circle No. A115 on reply card, p. 19

Windows

WOOD WINDOWS in double-hung, awning, and horizontal types are subject of brochure. Combinations of windows for special purposes are shown in plan form.—The Malta Manufacturing Co.

Circle No. A116 on reply card, p. 19

WINDOW WALLS are featured in the 12 pages of this new manual. Emphasis is placed on bowed units, and details and specifications are offered for all types.—Fred Reuten, Inc.

Circle No. A117 on reply card, p. 19

DOOR AND WINDOW catalog contains descriptions, specifications and prices. Types of windows include removable, awning, sliding.—The Crestline Co.

Circle No. A118 on reply card, p. 19

WOOD WINDOW portfolio has brochures illustrating each type—bay picture window units, sliding units, vent, casement, storm, screen, etc. Specifications are included in the package.—Rimco Products.

Circle No. A119 on reply card, p. 19

112 TECHNICAL PLATES tell the full Curtis window story. Each plate is illustrated and contains full specifications on design and erection. Plates come in an easy-to-use binder.—Curtis Companies, Inc.

Circle No. A120 on reply card, p. 19

PLASTIC SLIDING WINDOW is designed to be frost- and condensation-free. Cutaway drawings in large brochure give the construction details, applications, advantages.—The Plyco Corp.

Circle No. A121 on reply card, p. 19

COMPLETE HANDBOOK on modular window frames, snap-on grilles, bow windows, Unilocks, and take-out windows. All detailed in this group of catalogs. They're full of placing details, too.—Fabrow Mfg., Inc.

Circle No. A122 on reply card, p. 19

ALUMINUM WINDOW and doors in all styles are shown in 26-page catalog. Construction details are shown in cross-section drawings.—Capitol Products Corp.

Circle No. A123 on reply card, p. 19

ALUMINUM, GALVANITE, and steel windows are illustrated in 16-page booklet. Gives construction details of projected, casement, and ribbon and glass block windows.—Wilke Metal Products.

Circle No. A124 on reply card, p. 19

ALUMINUM WINDOWS are subject of this catalog. Casements, jalousies, curtain walls, awnings also included. Complete specifications and assembly diagrams.—Ware Laboratories, Inc.

Circle No. A125 on reply card, p. 19

WINDOW WALLS for all types of buildings are fully illustrated in 44-page catalog. Information is indexed with description, sizes, details of all types. Includes drawings, diagrams.—Andersen Corporation.

Circle No. A126 on reply card, p. 19

ALUMINUM WINDOWS listed in 39-page catalog, sliding glass doors in 11-page catalog. Drawings and cross-section illustrations, charts, give complete data on all styles.—Alwintite Div., General Bronze Corp.

Circle No. A127 on reply card, p. 19

ALUMINUM WINDOWS and hollow metal doors are subject of 11-page catalog. Information includes cutaway illustrations of all types—double and single hung, casement, awning, etc.-Republic Steel Corp.

Circle No. A128 on reply card, p. 19

ALUMINUM WINDOWS in 22 different styles presented in new literature. Includes three types of curtain walls, integral fin casements, hopper vents, jalousies.—Southern Sash Sales and Supply Co., Inc.

Circle No. A129 on reply card, p. 19

Structural glass and plastic

LAMINATED SAFETY GLASS is discussed in illustrated five-page folder. Uses and advantages of light-resistant material is presented in chart form.—Safetee Glass Co.

Circle No. A130 on reply card, p. 19

TEMPERED GLASS which is several times stronger than untempered glass has wide variety of uses. Eight-page bulletin discusses its outstanding properties, gives specifications for installation.—Virginia Glass Products, Corporation.

Circle No. A131 on reply card, p. 19

TRANSLUCENT FIBERGLASS reinforced panels illustrated in brochure. Contains architectural specification guide. Shows designers' patterns, installation details.—Barclite Corp. of America.

Circle No. A132 on reply card, p. 19

ARCHITECTURAL SPECIFICATIONS for industrial use of Alsynite's fiberglass-reinforced window panes. Details listed in full in a four-page, two-color catalog.—The Alsynite Company of America.

Circle No. A133 on reply card, p. 19

ALL TYPES OF FLAT GLASS for construction purposes are covered in 27-page catalog. Discusses uses, features, installation. Illustrations included.—Libbey-Owens-Ford Glass Co.

Circle No. A134 on reply card, p. 19

Skylights

PLASTIC SKYLIGHT brochure instructs builders on most effective methods of daylighting their projects. Offers full details, specifications on complete line of skylights and related products.—Wasco Products, Inc.

Circle No. A135 on reply card, p. 19

Screening

SHEET PLASTIC, both plain and reinforced, is reviewed in this catalog. Samples are included. Plastic and metal insect screening, plus metal door hardware, are also covered.—Peerless Mfg. Co., Inc.

Circle No. A136 on reply card, p. 19

ROLL SCREENS for homes, cottages, apartments, industrial buildings are described in brochures. Gives advantages, installation and construction details.—Lockhart Mfg. Co.

Circle No. A137 on reply card, p. 19

STORM, SCREEN, FOLDING doors constructed of aluminum, wood, or fabric, illustrated in five-page booklet. Shows features, installation instructions, stock sizes, etc.—The Columbia Mills.

Circle No. A138 on reply card, p. 19

Thresholds, weatherstripping

COMBINATION WEATHERSTRIP and door stop of extruded aluminum construction with vinyl insert is discussed in two pages. Data on doorway and window installations is given.—Air-Tite Products, Inc.

Circle No. A139 on reply card, p. 19

DOOR SEALING SYSTEMS described with cutaway drawings in brochure. Gives advantages of flexible vinyl seal locked in vinyl frame. Installation details.—The Dura-Flex Co.

Circle No. A140 on reply card, p. 19

WHOLESALE PRICE LIST of Baltz weatherstripping products. Offered in a one-page listing. The listing describes products, weights, how material will be shipped.—Robert N. Baltz & Company.

Circle No. A141 on reply card, p. 19

WEATHER SEALS, made of woven pile and metal strips, detailed in 47-page catalog. Shows cutaways of pile-strips and methods of installation. Gives all specifications.—Schlegel Mfg. Company.

Circle No. A142 on reply card, p. 19

METAL WEATHERSTRIP and sash balances are catalogued with lots of installation data and details. Thick book has listing of special tools for the application of various types of weatherstrip.—Master Metal Strip Service

Circle No. A143 on reply card, p. 19

WEATHERSTRIPPING catalog includes metal door and window types, wood and felt, vinyl, adhesives. Second catalog covers full jamb, kerf, nail-on, door bottoms.—W. J. Dennis & Company.

Circle No. A144 on reply card, p. 19

PLUMBING, WATER SUPPLY, SEWAGE

Pumps, water systems, sewage

PORTABLE and stationary pumps, of both centrifugal and diaphragm types, are shown in this extensive catalog. Sizes, capacities, and prices are included in this information.—Rice Pump & Machine Co.

Circle No. A145 on reply card, p. 19

PACKAGED sewage lift stations and sewage treatment plants are extensively covered in separate catalog. Specifications and operative descriptions appear.—Smith & Loveless Inc.

Circle No. A146 on reply card, p. 19

WATER SYSTEMS . . . information about a variety of pumps and how to service them in a big new 11-section catalog. Drawings, charts, photos and prices.—Flint & Walling Manufacturing Company.

Circle No. A147 on reply card, p. 19

TURBINE-TYPE PUMPS described in eight-page booklet, centrifugal pumps in brochure. Information is complete with photos, cutaway drawings, selection charts and parts lists.—Aurora Pump Div., N. Y. Air Brake Co.

Circle No. A148 on reply card, p. 19

PUMPS, WATER SYSTEMS . . . described in 39-page catalog which features price list and specifications. Includes reference index to turbine and centrifugal types, deep well pumps, accessories.—Decatur Pump Co.

Circle No. A149 on reply card, p. 19

SEWAGE EJECTORS and submersible sump pumps are described in brochures. Drawings show construction details, typical installations. Includes information on how to specify when ordering.—Weil Pump Co.

Circle No. A150 on reply card, p. 19

Piping

MULTIPLE USES of copper in home construction are covered in variety of catalogs and pamphlets. They describe advantages of copper installations, analyze comparative costs.—Chase Brass and Copper Co.

Circle No. A151 on reply card, p. 19

GALVANIZED, CORRUGATED pipe culverts presented in four-page brochure. Gives complete specifications on full-round or arch types. Also shows areawall construction for basement window walls.—Saint Paul Corrugating Co.

Circle No. A152 on reply card, p. 19

SEWER PIPE and fittings are itemized in 17-page catalog; conduit in 16-page catalog. Installations completely illustrated with photos, drawings, charts, specifications.—Brown Co.

Circle No. A153 on reply card, p. 19

PIPE FOR ALL PURPOSES covered in catalog and brochures. Full details on laminated, bituminized fiber pipe, fiber forms for columns, fire duct, fiber tube for concrete construction, etc.—Sonoco Products Co.

Circle No. A154 on reply card, p. 19

BITUMINIZED FIBRE PIPE for sewers and cast iron soil pipe covered in a four-page and an 80-page catalog respectively. Both include construction details and specifications for all sizes and fittings.—The Central Foundry Co.

Circle No. A155 on reply card, p. 19

Water heaters

WATER-HEATING EQUIPMENT of all sizes and for all fuels are covered in 67-page catalog. Capacity and cost charts and index to subjects are also included, plus plenty of other data.—The Hotstream Heater Co.

Circle No. A156 on reply card, p. 19

COMPLETE LINE of gas water heaters, safety equipment, gas and water meters is described in folder. Specially designed water heaters are available for unusual installations.—Handley-Brown Heater Co.

Circle No. A157 on reply card, p. 19

WATER HEATERS and gas-fired boilers, incinerators, and wall heaters are described in catalog. Ratings, specifications, and dimensions are included.—Bastian-Morley Co., Inc.

Circle No. A158 on reply card, p. 19

WATER HEATERS are illustrated in brochures for each type—gas, electric, oil. Literature also describes linings and alkaline barriers. Gives details and dimensions for all.—L. O. Koven & Bro., Inc.

Circle No. A159 on reply card, p. 19

WATER HEATING portfolio has brochures covering every type of water heating system. Cutaway drawings and specifications on all models.—Pioneer Mfg. Co.

Circle No. A160 on reply card, p. 19

WATER HEATERS, gas and electric, profusely illustrated in catalog. Cutaway drawings, photos, specifications, capacities are given for the line of heaters.—Cleveland Heater Co.

Circle No. A161 on reply card, p. 19

AUTOMATIC WATER HEATERS are subject here. Brochures give full descriptions of all models, both electric and gas; include cutaway drawings, measurements.—White Products Corp.

Circle No. A162 on reply card, p. 19

Water softeners

WATER SOFTENERS are discussed in this eight-page catalog. Information on operation of units, diagrams, specifications, and selection of proper softener is included.—Culligan, Inc.

Circle No. A163 on reply card, p. 19

Bathroom fixtures

PLUMBING FIXTURES for the bathroom, kitchen and washroom are colorfully illustrated in this 152-page loose-leaf book. All major products are described in detail in this big booklet.—Kohler Co.

Circle No. A164 on reply card, p. 19

PLUMBING FIXTURES of porcelain enamel illustrated in various styles and ensembles for all types of installations. Specifications and stock sizes listed for each.—Aetna Porcelain Enameling Co.

Circle No. A165 on reply card, p. 19

PLUMBING FIXTURES of all types are shown in booklet. Dimensions, details, and specifications for sinks, bathtubs, closets are included.—Universal-Rundle Corp.

Circle No. A166 on reply card, p. 19

BATHTUBS, LAVATORIES, closets are presented in series of illustrated pamphlets. Special features include duo-colored tubs and decor-matched vanities.—AllianceWare, Inc.

Circle No. A167 on reply card, p. 19

PLUMBING FIXTURES are thoroughly covered in 92-page catalog, with detailed illustrations. Shows packaged bathroom ensembles.—Gerber Plumbing Fixtures Corp.

Circle No. A168 on reply card, p. 19

Kitchen sinks

COMPLETE LINE of stainless steel sinks and counter tops is covered in pocket-size brochure. Installation photos and what-to-look-for list are included.—Just Mfg. Co.

Circle No. A169 on reply card, p. 19

STAINLESS STEEL SINKS for installation anywhere in the house. Colorful brochure shows all models and designs—for powder room or garden, kitchen or den. Features of each plus sizes are listed.—Elkay Manufacturing Co.

Circle No. A170 on reply card, p. 19

NEW SINK DESIGN teams up with any electric waste disposer. Featured in literature covering stainless-steel kitchen installations. Includes detailed drawings, dimensions, how to order.—Carrollton Mfg. Co.

Circle No. A171 on reply card, p. 19

Bath fittings, accessories

HEAT CONTROL UNIT that prevents shower scalding is explained in catalog sheet. Describes advantages of shut-off valve that won't deliver water above certain temperature.—Powers Regulator Co.

Circle No. A172 on reply card, p. 19

METAL ACCESSORIES for the bathroom are listed and specified in this brochure. Mounting brackets of all types are covered.—General Chrome.

Circle No. 173 on reply card, p. 19

SINGLE-UNIT shower valves and kitchen faucets with single mixing handles are described in two brochures. Include diagrams, sizes and prices.—Moen Faucet, Div. of Standard Screw Co.

Circle No. A174 on reply card, p. 19

SHOWER HEADS that automatically clean themselves are outlined in 11-page catalog. Flush valves in 63-page book. Covers every type of installation, with complete drawings.—Sloan Valve Co.

Circle No. A175 on reply card, p. 19

BATHROOM ACCESSORIES . . . you'll get a look at the whole new Hoover line in a 12-page, two-color booklet. Photos, details, sizes, etc.—Hoover Ball & Bearing Co.

Circle No. A176 on reply card, p. 19

BATHROOM ACCESSORIES of all kinds listed in this folder. Temperature and pressure relief valves, flexible gas connectors, chrome-plated brass fittings, others included.—Reed-Cromax Corp.

Circle No. A177 on reply card, p. 19

Shower, tub enclosures

METAL SHOWER CABINETS, shower doors, and shower receptors are reviewed in catalog. All dimensions are listed, along with installation data.—W. F. Norman Sheet Metal Mfg. Co.

Circle No. A178 on reply card, p. 19

TUB ENCLOSURES and shower doors in many designs are shown in eight-page brochure. Full descriptions, specifications and illustrations are included. Also covers accessories.—Beauti-Dor, Inc.

Circle No. A179 on reply card, p. 19

SHOWER INSTALLATIONS—featuring glass tub enclosures, shower doors, stall enclosures, corner tub enclosures—are described in brochures. Specifications complete in all styles, sizes.—Theodore Efron Mfg. Co.

Circle No. A180 on reply card, p. 19

Laundry tubs

LAUNDRY TUBS shown in four-page brochure. Appliance-styled tub comes in two models. Specifications, model numbers, installation methods given.—E. L. Mustee & Sons, Inc.

Circle No. A181 on reply card, p. 19

HEATING, COOLING AND VENTILATION

Heating systems

IN-WALL FURNACE features and advantages are explained clearly in this six-page folder. Roughing-in dimensions and specifications are also given for builder use.—Motor Wheel Corp.

Circle No. A182 on reply card, p. 19

GAS-FIRED FURNACES in a complete range of sizes, both standard and lowboy types, are catalogued here. Literature on individually controlled room-heating units is also available.—Iron Fireman Mfg. Co.

Circle No. A183 on reply card, p. 19

BOILERS, RADIATORS, and accessories are subjects of 12-page catalog. Contains descriptions, specifications, and illustrations of factory assembled units.—Dunkirk Radiator Corp.

Circle No. A184 on reply card, p. 19

BOILER catalog sheets cover gas-fired and oil-fired units. Can also be used for small commercial buildings. Specifications and dimensions are included.—Fitzgibbons Boiler Co., Inc.

Circle No. A185 on reply card, p. 19

OIL FURNACES, designed specifically for living areas, are described in brochures. Photos illustrate "dream room" styling, new air control valve.—Perfection Industries.

Circle No. A186 on reply card, p. 19

STEEL BOILER-BURNER units are factory assembled, completely prewired and gas-fired. Two booklets explain advantages of package unit, give full specifications.—Spencer Heater, Lycoming Div.

Circle No. A187 on reply card, p. 19

REGULATORS, VALVES, gauges, fuel-tank accessories, are some of the products included in indexed loose-leaf catalog. Technical information, specifications, and illustrations appear in comprehensive book.—Selwyn-Pacific Company

Circle No. A188 on reply card, p. 19

RADIANT PANEL HEATING with steel pipe is discussed at length in 50 pages. Brochure is rich in both theory and practical installation data.—National Tube Div., U.S. Steel

Circle No. A189 on reply card, p. 19

POWER GAS BURNER is described in four pages. Brochure also offers information on installation, applications, adjustable operation, and servicing of the unit. Photos, drawings, other how-to information.—Barber Mfg. Co.

Circle No. A190 on reply card, p. 19

FORCED WARM-AIR furnaces for all types of residential applications are described and illustrated. Oil- and gas-fired units are covered, as well as conversion burner units. Technical data given in drawings, charts, specs.—Mayflower Air Conditioners, Inc.

Circle No. A191 on reply card, p. 19

COMPLETE HEATING SYSTEMS, including furnaces, baseboard convectors, and zone controls are described here. Also featured are water heaters and air-conditioning systems. Complete technical run-down on the subject.—Edwards Engineering Corp.

Circle No. A192 on reply card, p. 19

HEATING UNITS, air conditioners, water heaters . . . subject of this booklet. Illustrates complete line with specifications and drawings showing installation details on each.—Delco Appliance Div., GM.

Circle No. A193 on reply card, p. 19

OIL BURNERS are discussed in large, fact-packed, indexed catalog. It describes rotary, pressure, boiler and furnace burners. Installation plans and specifications given.—S. T. Johnson Co.

Circle No. A194 on reply card, p. 19

RADIANT BASEBOARD HEATING catalog has tab index for every section—radiant panel, residential baseboard, slope top fin tube. All descriptions include drawings, ratings, etc.—Kritzer Radiant Coils, Inc.

Circle No. A195 on reply card, p. 19

PRECAST REGISTER and plenum boxes for concrete slab floors is designed to reduce underfloor heat installation costs. How is shown in booklet with step-by-step photos.—Murphy Precast, Inc.

Circle No. A196 on reply card, p. 19

OIL FURNACES in a variety of models are covered in colorful brochures. Cutaway drawings and complete specifications are included. Also lists outstanding features.—Stewart-Warner Corp.

Circle No. A197 on reply card, p. 19

ELECTRIC HEATING for residential installation covered in 11-page booklet. Discusses advantages, choosing right method, installation, how to specify. Illustrated with cutaway drawings, charts, etc.—Edwin L. Wiegand Co.

Circle No. A198 on reply card, p. 19

Combination heating, cooling systems

HEATING-COOLING UNITS are described in complete detail in this new eight-page brochure. The 29 different models listed are designed for either gas or oil firing.—Mueller Climatrol Div., Worthington Corp.

Circle No. A199 on reply card, p. 19

AIR CONDITIONING is clearly explained in terms the home owner can understand in this booklet. Zone control and its application to both heating and cooling are covered.—National-U.S. Radiator Corp.

Circle No. A200 on reply card, p. 19

HEATING, COOLING and air conditioning products are shown in large, tabbed catalog. Discusses, with full technical details and drawings, central station and remote room air conditioning. All types of unit heaters and cooling coils are described.—Young Radiator Co.

Circle No. A201 on reply card, p. 19

AIR CONDITIONING and heating catalog shows gas and oil furnaces, remote and packaged air conditioning, wall and space heaters, etc. Includes specifications, dimensions.—The Coleman Co.

Circle No. A202 on reply card, p. 19

COOLING and heating systems for every type of home installation are described in brochures. Include combined and separate systems, split-system heat pumps, oil furnaces, etc. Give drawings, specifications.—Chrysler Airtemp.

Circle No. A203 on reply card, p. 19

HEATING AND COOLING are subjects of large, well-bound, indexed catalog. Covers in technical detail, oil and gas winter air conditioners, gravity furnaces and boilers.—Janitrol Heating and Air Conditioning Div.

Circle No. A204 on reply card, p. 19

FURNACES, gas and oil, are covered in large loose-leaf catalog. Shows all types of water heaters, boosters, air conditioners. Lists baseboard heaters and radiators.—Rheem Mfg. Co.

Circle No. A205 on reply card, p. 19

AIR CONDITIONING for winter and summer is subject of brochure. Evaporator blowers, compressor evaporators, condensing units. Gives all specifications, drawings, complete data on each unit.—The Mathes Company.

Circle No. A206 on reply card, p. 19

CONDENSING UNITS, remote and air cooled, detailed in catalog with detachable pages. Also shows complete line of attic, wall and ceiling fans. Photos, cutaway drawings, sizes, specifications.—Bar-Brook Mfg. Co., Inc.

Circle No. A207 on reply card, p. 19

HEATING, COOLING, ventilation literature covers baseboard heating, packaged attic-type A/C units, remote condensing units, chillers, etc. Installation and structural details on all.—Brown Products Corp.

Circle No. A208 on reply card, p. 19

GAS HEATING and air conditioning portfolio has brochures covering boilers, furnaces, unit heaters, air conditioners, conversion burners. Complete specifications on brochure for each.—Roberts-Gordon Appliance Corporation.

Circle No. A209 on reply card, p. 19

OIL AND GAS FURNACES, oil burners, air conditioners, condensing units are covered in this very complete, looseleaf catalog. Contains ratings and specifications, diagrams, photos.—Williams Oil-O-Matic Heating Co.

Circle No. A210 on reply card, p. 19

CONVECTORS, baseboard heating are some of the heating and cooling products described in portfolio. Others include broilers, chillers and cooling towers. Water ratings, installation details, specifications.—Embassy Steel Products, Inc.

Circle No. A211 on reply card, p. 19

GAS, OIL, COAL FURNACES, summer air conditioning equipment are subjects of this loose-leaf catalog. All specifications, ratings, capacities, dimensions given.—Armstrong Furnace.

Circle No. A212 on reply card, p. 19

Space heaters

ELECTRIC HEATING units for every heating need are subject of four-page brochure. It illustrates wall and portable models, contains detailed charts of models, sizes and other useful technical information.—Allied Precision Industries, Inc.

Circle No. A213 on reply card, p. 19

ELECTRIC HEATING PANELS for wall mounting, a relatively new concept, are presented in this full-color manual. Designed for builder and home buyer, it contains both "sell" and technical data, a good combination.—Sun-Tron Corp.

Circle No. A214 on reply card, p. 19

GAS HEATERS with many applications are illustrated in this booklet. Descriptions and data are included for wall heaters, floor furnaces, and incinerators.—Martin Stamping & Stove Company.

Circle No. A215 on reply card, p. 19

ELECTRIC HEATING elements in wall inserts and portables illustrated in four-page folder. Also thermostats, radiant heating cables. Complete specifications, technical data, how-to information.—Everwarm, Inc.

Circle No. A216 on reply card, p. 19

FIREPLACE SCREEN of tempered glass that radiates heat throughout room is discussed in two brochures. Screen fits modern and conventional fireplaces.—Thermo-Rite Mfg. Co.

Circle No. A217 on reply card, p. 19

ELECTRIC HEATERS catalog describes wall insert heaters, baseboard, floor furnaces, bathroom heaters, radiant heating cable. Photos and specifications.—Cavalier Corp.

Circle No. A218 on reply card, p. 19

ELECTRICAL HEATING methods covered in portfolio. Brochures describe baseboard, wall, radiant, floor-insert, portable, bathroom heaters, etc. Drawings, specifications on all.—Electromode Div. Commercial Controls.

Circle No. A219 on reply card, p. 19

Fans, louvers, ventilators

LOUVERS and vents, both galvanized and aluminum in all shapes and sizes, are pictured and described in this notebook-punched single sheet.—Louv-r-Pak, Inc.

Circle No. A220 on reply card, p. 19

AIR PURIFICATION in the kitchen is the subject of this colorful, four-page folder. No-duct hood is easy to install, uses activated charcoal filter.—Major Industries, Inc.

Circle No. A221 on reply card, p. 19

FORCED VENTILATION of attic areas discussed in 3 folders. Eave-vent fans, with all-aluminum shutters, roof fans are described. Dimensions and price list.—Phil Rich Fan Mfg. Co.

Circle No. A222 on reply card, p. 19

STRIP VENTILATOR of aluminum is featured in new brochure. Variety of ventilating fans and range hoods is described in other literature.—Leigh Building Products.

Circle No. A223 on reply card, p. 19

ROOF VENTILATORS and wall louvres are described in this 16-page, two-color catalog. It's fully illustrated and includes complete technical details and drawings.—The Burt Manufacturing Co.

Circle No. A224 on reply card, p. 19

FACT-PACKED, technical catalog describes Auer's line of registers, grilles and diffusers. Illustrations are two-color. Price lists, performance data given.—The Auer Register Company.

Circle No. A225 on reply card, p. 19

VENTILATORS and range hoods brochures stress use of ventilator for electrically heated homes. Drawings give construction and installation data. —Stewart Industries, Inc.

Circle No. A226 on reply card, p. 19

VENTILATING and cooling equipment is fully described and pictured in attractive, easy-to-read catalog. Also shows available displays.—The Berns Air King Corp.

Circle No. A227 on reply card, p. 19

VENTILATING LOUVERS, in a variety of styles, are listed in attractive catalog. Offers specifications, details, plus ventilation area chart.—Louver Mfg. & Supply Co.

Circle No. A228 on reply card, p. 19

NEW VENTING METHOD is outlined in a folder which complements an 18-page catalog of products used in ventilation of houses. Gives data on estimating venting requirements.—United States Gypsum Co.

Circle No. A229 on reply card, p. 19

MIDGET VENTILATING LOUVERS of all types and sizes are listed. Installation data is included, as well as information on special hole saw blades designed for the louvers.—The Midget Louver Co.

Circle No. A230 on reply card, p. 19

OVERHEAD AIR DIFFUSER that minimizes drafts, equalizes room temperatures is catalog subject. Diagrams and dimensions of product are included.—Connor Engineering Corp.

Circle No. A231 on reply card, p. 19

FOUNDATION, CORNICE ventilators are pictured in easy-to-read catalog. Six models are described on sheet which also gives specifications and shipping wts.—Hamlin Products, Inc.

Circle No. A232 on reply card, p. 19

Heating controls

AUTOMATIC CONTROLS for virtually all residential and commercial heating and ventilating systems are described. Extensive catalog also specifies and prices the systems.—Minneapolis-Honeywell Regulator Co.

Circle No. A233 on reply card, p. 19

FIELD SERVICE BULLETINS cover description, operation, installation, and service of many types of gas controls. Bulletins are bound together and fully illustrated.—Robertshaw-Fulton Controls Company.

Circle No. A234 on reply card, p. 19

AUTOMATIC CONTROLS for a wide range of heating and cooling equipment are covered here. Both residential and commercial applications are included.—White-Rodgers Co.

Circle No. A235 on reply card, p. 19

GAS AND WATER meters pictured in series of 3 folders which are punched for binding. Sizes and installation methods are diagrammed.—Handley-Brown Co.

Circle No. A236 on reply card, p. 19

Ductwork

DUCT INSTALLATION booklet gives basic instructions for fabrication of duct system. Designed for any type of warm air heating or air conditioning system.—Gustin-Bacon Mfg. Co.

Circle No. A237 on reply card, p. 19

Fireplaces, chimneys

PREFAB CHIMNEYS are described in handy folder. Fact-filled, well-illustrated pages show builders how to save money in chimney construction. —Condensation Engineering Corp.

Circle No. A238 on reply card, p. 19

FIREPLACES, dampers, registers are discussed in illustrated brochure. Covers grates, mortar boxes, gas logs, screens, all accessories. Features construction details.—Superior Fireplace Company.

Circle No. A239 on reply card, p. 19

ELECTRICAL, LIGHTING, WIRING

Lighting design

BUILT-IN LIGHTING for schools, churches, hospitals, and business is shown in four illustrated brochures. Also available are data sheets on all products, with drawings.—Kirlin Co.

Circle No. A240 on reply card, p. 19

HOME LIGHTING is discussed in an illustrated catalog. Shows indoor and outdoor, floor, wall, table, ceiling lamps. Also a brochure on lighting for schools, stores, office buildings.—John C. Virden Co.

Circle No. A241 on reply card, p. 19

LIGHTED CEILINGS shown in this literature. Complete installation methods and specifications for whole ceilings, panel, single-unit and residential, industrial, commercial uses are given. Plenty of facts to work with.—Luminous Ceilings, Inc.

Circle No. A242 on reply card, p. 19

LIGHT CONTROL equipment for control of sunlight and artificial lighting is described in bulletin. Detailed drawings and illustrations give complete installation data.—The Superior Electric Co.

Circle No. A243 on reply card, p. 19

Light fixtures

INCANDESCENT LIGHTS are illustrated in 21-page catalog featuring chandeliers and modern ceiling fixtures. Supplement covers 15 pages of fixtures in polished or antique brass. —Jay Lighting Mfg. Co., Inc.

Circle No. A244 on reply card, p. 19

LIGHTING EQUIPMENT is pictured and described in this fact-filled 56-page booklet. Contains many pictures and charts, gives detailed technical information on fixtures for residential, commercial use. Sizes, types, other details included.—The Wakefield Co.

Circle No. A245 on reply card, p. 19

COMPLETE LINE of recessed and surface lighting fixtures for commercial and residential use is illustrated in fact-packed catalog. Easy-to-read technical information is included in this interesting brochure.—Prescolite Mfg. Corp.

Circle No. A246 on reply card, p. 19

GAS LAMPS that provide decorative outdoor lighting touch are subject of handsome brochure. Distinctive models are shown in color in a wide variety of styles. Well-illustrated.—Arkla, Gaslite Div.

Circle No. A247 on reply card, p. 19

LIGHTED CEILINGS are subject of illustrated brochure. Installation points for luminous coves, canopy-overhang, soffit. Prefab units and wall-to-wall ceiling are described in detail.—Diffusa-Lite Co.

Circle No. A248 on reply card, p. 19

LIGHTING FIXTURES for low-budget installations are shown in full color in this 12-page catalog. A wide variety of indoor and outdoor lamps are pictured and described.—Minute Mount Co., Inc.

Circle No. A249 on reply card, p. 19

LIGHTING FIXTURES for outdoor use and all types of indoor installation are illustrated in full color and described here. Silhouette index in back is a handy guide to the 50 pages. —Progress Mfg. Co.

Circle No. A250 on reply card, p. 19

ELECTRIC LANTERNS for indoor or outdoor use are featured in full-color brochure. Other catalog sheets cover suspended interior fixtures in contemporary and period designs.—Dayna Lighting I.c.

Circle No. A251 on reply card, p. 19

Wiring devices

WIRING DEVICES of all kinds are shown in thick electrical catalog. Switches, outlets, and lampholders are listed. Included is a complete specification and price list.—Pass & Seymour, Inc.

Circle No. A252 on reply card, p. 19

UNDERFLOOR WIRING systems for use with cellular steel floors are described here. Photos show how a system is set up. Included is a list of all accessories used.—H. K. Porter Co.

Circle No. A253 on reply card, p. 19

WIRING GUIDE lists complete stock of raceways, accessories and fittings. All items are illustrated with photos or drawings. Index is included in 144-page guide.—The Wiremold Co.

Circle No. A254 on reply card, p. 19

Switches, outlets

LOW VOLTAGE switching systems are the subject of this illustrated 16-page booklet. Tells how to plan, install, and trouble-shoot a touch-plate system.—Touch-Plate Mfg. Co.

Circle No. A255 on reply card, p. 19

ELECTRICAL DISTRIBUTION equipment, together with specification and rating data, is listed in 66-page catalog. Fuse panels, breakers, switches, and meter mounts are among subjects covered.—Murray Mfg. Corp.

Circle No. A256 on reply card, p. 19

DECORATOR WALL PLATES in colorful designs meet functional needs of any installation, harmonize with any decor. Folder shows how color schemes may be matched, and illustrates various plates.—General Electric Co.

Circle No. A257 on reply card, p. 19

WALL PLATES and complete line of wiring devices are featured in 145-page catalog. Includes price list and specifications for standard and custom receptacles. Packed with technical data, how-to information, plenty of other good details.—Sierra Electric Corp.

Circle No. A258 on reply card, p. 19

Electric specialties

NONELECTRIC DOOR CHIME that sounds two notes, needs no wiring, and has optical lens viewer is catalog subject. Specifications and illustrations of exterior and interior installations. —NuTone, Inc.

Circle No. A259 on reply card, p. 19

ELECTRICAL DEVICES of every kind carefully detailed in catalog. Sixty pages of sockets, receptacles, cords and plugs. Also shows lamp converters, connectors, fluorescent lamp starters.—Cable Electric Products, Inc.

Circle No. A260 on reply card, p. 19

GARAGE DOOR OPENERS controlled by push-button transmitter is subject of this new four-page color folder. Both advantages and methods of operation are described. Lots of other interesting details and specifications.—Barber-Coleman Co.

Circle No. A261 on reply card, p. 19

FLOOR, WALL, CEILING MATERIAL

Wood flooring

HARDWOOD FLOORING handbook discusses requisites of high quality flooring, describes processing, species, types, sizes. Further details include selection, laying, finishing.—National Oak Flooring Mfg. Assn.

Circle No. A262 on reply card, p. 19

HARDWOOD FLOORING pictured in a four-page, full-colorful brochure. Shows variety of styles and typical installations. Gives sizes and pattern suggestions.—Harris Mfg. Co.

Circle No. A263 on reply card, p. 19

HARDWOOD FLOORS—plank, strip, block, laminated oak—are illustrated in colorful booklet. Gives description, grades and species, finish, installation, other technical data for each type.—E. L. Bruce Co.

Circle No. A264 on reply card, p. 19

Floor and wall tile

CERAMIC TILE line is shown in full color in this large folder, punched for notebook filing. Trim shapes and all-tile accessories are also pictured.—The Mosaic Tile Co.

Circle No. A265 on reply card, p. 19

VINYL FLOOR TILE in multiple hues and patterns are illustrated in full color. Ten-page brochure includes information charts, characteristics and specifications for many types of floorings.—Uvalde Rock Asphalt Co.

Circle No. A266 on reply card, p. 19

FLOOR COVERING for 1960 from Congoleum. Illustrated in 108-page hardback catalog. Contents include plastics and linoleum by-the-yard, cork, tiles, vinyl, plastic Congowall. Full color, color schemes, suggested designs, other helpful flooring information.—Congoleum-Nairn, Inc.

Circle No. A267 on reply card, p. 19

CERAMIC TILE for decorating purposes is subject of colorful booklet. All requirements for installation of a variety of patterns are shown in detail. Includes color chart for mixing and matching, other decorating information.—Wenczel Tile Co.

Circle No. A268 on reply card, p. 19

COLOR PLANNING with ceramic tile and a product catalog are offered by American-Olean. Booklet 450 suggests color schemes, bathroom planning and design ideas.—American-Olean Tile Company.

Circle No. A269 on reply card, p. 19

CERAMIC FLOOR and wall tile catalog covers complete line for 1960. Both glazed and unglazed tile colorfully illustrated in large units and mosaics. Includes heavy-duty, pool tile.—U.S. Ceramic Tile Co.

Circle No. A270 on reply card, p. 19

ADVANTAGES and performance of vinyl-cork tile is subject of attractive brochure containing pattern and installation data. Application photos are included along with other how-to information.—Dodge Cork Co., Inc.

Circle No. A271 on reply card, p. 19

TILE FLOORS are illustrated in colorful 23-page catalog showing different patterns for seven types. Each is described according to use, cost, size.—Kentile, Inc.

Circle No. A272 on reply card, p. 19

RESILIENT TILE flooring is handsomely illustrated in this 20-page catalog. Vinyl, vinyl asbestos, asphalt, rubber tile presented in a variety of colors and styles.—B. F. Goodrich Co.

Circle No. A273 on reply card, p. 19

CERAMIC TILE products are completely covered in colorful 31-page booklet. Includes detailed drawings of all trim with size, color charts, all types of installations.—American Olean Tile Co.

Circle No. A274 on reply card, p. 19

COLORFUL PATTERNS of vinyl and rubber floorings are reproduced in eight-page catalog. Many custom designs in vinyl are also available.—American Biltrite Rubber Co.

Circle No. A275 on reply card, p. 19

VINYL FLOORING . . . its principal characteristics discussed in colorful booklet. Features classic marbles, Ultralast and Terralast colors, solid colors.—Vinyl Plastics, Inc.

Circle No. A276 on reply card, p. 19

Wall coverings, paneling

HARDBOARD PANELS and the methods of using them in home building are discussed in this eight-pager. Forty-two applications are suggested with details on how to do it.—Silvatek Div., Weyerhaeuser Co.

Circle No. A277 on reply card, p. 19

VINYL WALL COVERING and upholstery are colorfully treated in an eight-page catalog. Includes a wide variety of patterns and color and texture charts.—B. F. Goodrich Co.

Circle No. A278 on reply card, p. 19

PLASTIC-FINISHED PANELING for walls and ceilings come in wide variety of colors and patterns. Booklet illustrates paneling, specifications, installation method, and aluminum mouldings chart.—Marsh Wall Products, Inc.

Circle No. A279 on reply card, p. 19

MASONITE MANUAL offers 28 pages with illustrated, detailed drawings of construction uses. Includes description of products, table of properties, sizes, and working directions as well.—Masonite Corp.

Circle No. A280 on reply card, p. 19

HOW-TO-INSTALL booklet on plywood paneling gives general application instructions. Separate brochures describe hardboard, marine plywood, and prefinished paneling—Harbor Plywood Corp.

Circle No. A281 on reply card, p. 19

"FACES, FIGURES, FACTS" is the name of a free 71-page, pocket-size booklet that's full of facts about plywood. Includes pictures and descriptions of grades, types and construction.—Hardwood Plywood Institute.

Circle No. A282 on reply card, p. 19

VINYL WALL COVERING for residential and commercial use is illustrated with samples. Brochures list technical data, properties, uses, and all types of applications.—The Masland Duraleather Co.

Circle No. A283 on reply card, p. 19

HARDBOARD PORTFOLIO includes brochure for each type of hardboard. Includes descriptions, drawings, physical properties, exterior and interior applications, nailing and finishing.—Forest Fiber Products Co.

Circle No. A284 on reply card, p. 19

PHILIPPINE MAHOGANY finishes, and how they are obtained, are described in this brochure. Excellent color photos show the many effects that can be obtained.—Philippine Mahogany Assn.

Circle No. A285 on reply card, p. 19

Ceiling tile

ACOUSTICAL CEILING TILE that offers rated fire protection is discussed in booklet. Specifications and details are given for commercial use of material.—Armstrong Cork Co.

Circle No. A286 on reply card, p. 19

DIFFERENT WAYS to put up suspended ceilings are described in a 12-page, fully-illustrated catalog. Technical drawings, detail cutaways, in-use photos.—The Burgess-Manning Company.

Circle No. A287 on reply card, p. 19

Partitions

FOLDING PARTITIONS and moveable walls covered in 31-page, tabbed catalog. Cutaways show partition construction details. Installations and specifications given.—Richards-Wilcox Manufacturing Co.

Circle No. A288 on reply card, p. 19

Plastic laminates

LAMINATED SURFACINGS for vertical and horizontal use are shown in 70 full-color illustrations. Uses in all types of buildings and comparative costs with other surfacings are presented in chart form.—General Electric Co.

Circle No. A289 on reply card, p. 19

BUILDERS' GUIDE to Formica surfacing is title of folder. Features 85 paper reproductions of color line. Information includes application, sizes. Gives a complete picture as to which type of Formica should be used.—Formica Corp.

Circle No. A290 on reply card, p. 19

SOLID PLASTIC PANELS in many wood grains, patterns and designs. Four-page brochure gives description and uses—furniture, wainscoting, countertops, etc.—Fiberesin Plastics Company.

Circle No. A291 on reply card, p. 19

MILLWORK AND CABINETS

Kitchen planning and cabinets

WOOD CABINET specifications and standard unit details are clearly outlined in six-page folder. Companion brochure contains photos of installations, available color, kitchen ideas.—The Mengel Co.

Circle No. A292 on reply card, p. 19

CUSTOM KITCHENS in a variety of colors and finishes are shown in this "sketchbook." Handsome catalog includes do's and don'ts for kitchen planning.—The Kitchen Maid Corp.

Circle No. A293 on reply card, p. 19

KITCHEN CABINETS of all types, and in varied finishes, are described in colorful brochure. Suggested kitchen layouts and complete planning service for builders are also listed.—The I-XL Furniture Co., Inc.

Circle No. A294 on reply card, p. 19

HARDWOOD CABINETS for storage purposes throughout the home are illustrated in colorful booklet. Features contemporary series designed for adjustable, custom look.—Mutschler Brothers Co.

Circle No. A295 on reply card, p. 19

VARIETY OF KITCHENS is described in 20-page booklet. Base and wall cabinets, dishwasher, built-in ovens and surface units are all illustrated.—Youngstown Kitchens.

Circle No. A296 on reply card, p. 19

KITCHENS in steel and wood are handsomely illustrated in brochure. Shows traditional, oriental, provincial, modern and other designs. Includes color chart for steel and wood finishes.—Toledo Desk and Fixture Company.

Circle No. A297 on reply card, p. 19

Bathroom vanities and cabinets

BATHROOM VANITIES of all types and sizes are illustrated in this catalog, along with their dimensions and prices. A color section shows the laminates available as finishes. A good deal of information, plus some helpful decorating ideas.—Regal Laminates, Inc.

Circle No. A298 on reply card, p. 19

MEDICINE CABINETS, hampers, kitchen vent hoods . . . all covered in illustrated catalog. Cutaway drawings, photos, spec sheets on models. Complete price list is given.—Jensen Industries.

Circle No. 299 on reply card, p. 19

BATHROOM VANITIES in a wide variety to meet every budget. Decorator-styled and surfaced with Formica. Fold-out brochure shows elevations, available colors, helps in decorating bath.—National Vanity.

Circle No. A300 on reply card, p. 19

MEDICINE CABINETS, lavatory mirrors and bathroom accessories are described in two brochures. Construction features and specifications are included along with illustrations and installation details.—F. H. Lawson Co.

Circle No. A301 on reply card, p. 19

VANITIES, designed with classic Grecian Formica patterns, offered in colorful folder. Six different stylings are shown. Gives top widths and description of each style.—Glissade, Inc.

Circle No. A302 on reply card, p.19

MEDICINE CABINETS, bathroom accessories, light fixtures catalog. Gives numerous styles for modern bathrooms. All items illustrated in detail with specifications for each.—The Grote Mfg. Co., Inc.

Circle No. A303 on reply card, p. 19

RECESS MEDICINE CABINETS are described in brochure which gives illustrations and sizes. Also covers such features as fluorescent lighting and sliding doors.—Zenith Metal Products Company.

Circle No. A304 on reply card, p. 19

WARDROBE WALLS are subject of looseleaf portfolio. Shows track installation and details panel construction. Offers complete descriptions and specifications.—Nordahl Mfg. Co.

Circle No. A305 on reply card, p. 19

HARDWARE, BUILDING SPECIALTIES

Window, door, cabinet and closet hardware

FULL LINE of door hardware is covered in illustrated catalog. Included are locks, latches, entrance handles, door closers, and cabinet hardware.—Dexter Industries, Inc.

Circle No. A306 on reply card, p. 19

CONCEALED SASH BALANCE story is told in four well-illustrated pages. Also included are tips on installation and construction details.—The Turner & Seymour Mfg. Co.

Circle No. A307 on reply card, p. 19

CLOSET FRONTS are completely assembled and braced, including jamb and header. Brochure gives specifications, illustrations for deluxe, flush, louvered models.—Precision Parts Corporation.

Circle No. A308 on reply card, p. 19

GLIDING DOOR HARDWARE is fully described in 23-page catalog. Specifications are given for all types of fittings for pocket and folding doors.—Kennatrack Corp.

Circle No. A309 on reply card, p. 19

SCREEN DOOR locksets and hardware presented, detailed, in series of pamphlets. Includes glass and aluminum door fittings, panic exit devices, push-pull latches, accessories.—The Yale Towne Mfg. Co.

Circle No. A310 on reply card, p. 19

ALL-METAL TRIM and casings for door jamb and window are illustrated in brochures. Data includes specifications, materials, lengths, packing for various kinds of edges.—Drywall Trim, Div. of Casings, Inc.

Circle No. A311 on reply card, p. 19

MAGNETIC LATCHES are described in punched catalog sheet. Specifications and sizes given for complete line for both residential and heavy-duty purposes. Ordering data.—Laboratory Equipment Corp.

Circle No. A312 on reply card, p. 19

DOOR HARDWARE for all residential purposes are listed in 31-page catalog. Shows many designs of locks, decorative escutcheons, door accessories, closers, etc.—Russell & Erwin Div., American Hardware Corp.

Circle No. A313 on reply card, p. 19

SASH BALANCES and hardware products designed for wood and metal are described here. Brochure shows cutaway drawings for "take-out" window hardware.—Unique Window Balance Corp.

Circle No. A314 on reply card, p. 19

18 CATALOGS IN ONE . . . attractively bound in a hard cover looseleaf binder. You'll find hardware for sliding and folding doors, drawer slides, drapery, pocket frames and folding panels.—Grant Pulley & Hardware Corp.

Circle No. A315 on reply card, p. 19

THE WHOLE STORY on Acme's 1960 line of sliding door hardware. A new, fully-illustrated 12-page printed catalog. Photos, installation drawings, sizes, specifications.—Acme Appliance Manufacturing Company.

Circle No. A316 on reply card, p. 19

DRAWER AND CABINET hardwares covered in series of pamphlets. Roller bearings for drawers are described. Details construction of non-tilting drawers and revolving-shelf cabinets. —Junior-Pro Products Co.

Circle No. A317 on reply card, p. 19

STEEL SHELVING that can be assembled with screwdriver and pliers is subject of this folder. Package unit specifications and work diagram given. —C & H Air Conditioning Fan Co.

Circle No. A318 on reply card, p. 19

FOLDING DOORS, door hardware, closet and kitchen accessories are covered here. Catalog illustrates and describes products, gives specifications and prices.—Leigh Building Products

Circle No. A319 on reply card, p. 19

GARAGE DOOR HARDWARE for use on any standard door is fully detailed, with specifications and construction details. Tracks, hangers and hinges are illustrated in nine-page booklet.—Allith-Prouty, Inc.

Circle No. A320 on reply card, p. 19

REVOLVING SHELVES for kitchen cabinets are illustrated, along with installation hardware. Brochure gives detailed description and sizes of all parts, with ordering information.—Lake Drive Products Co., Inc.

Circle No. A321 on reply card, p. 19

RESIDENTIAL DOOR OPERATOR, the Moore-O-Matic, has its various features explained in a colorful folder. Construction and choice of fingertip controls are highlighted.—A. E. Moore Company.

Circle No. A322 on reply card, p. 19

NYLON INSULATION HANGERS and hanger supports are described fully. Fast-setting adhesive is also covered in folder punched for notebook filing. Facts, specs, technical details.—Goodloe E. Moore, Inc.

Circle No. A323 on reply card, p. 19

SASH HARDWARE catalog has fly sheets on complete line of operative window hardware and weatherstripping. Includes sketches, photos, charts, specifications, plenty of what-how drawings.—Grand Rapids Hardware Co.

Circle No. A324 on reply card, p. 19

Locksets

LOCKSET LINE designed for residential installation is shown in full-color in this eight-page brochure. Miscellaneous items and installation aids are also included.—Kwikset Div., American Hardware Corp.

Circle No. A325 on reply card, p. 19

ESCUTCHEONS, LOCKSETS, and handles of many designs are pictured in this fact-filled manual. Assembly and principles of the different sets are explained.—Schlage Lock Co.

Circle No. A326 on reply card, p. 19

LOCKSET CATALOG covers complete line. Shows cylindrical, decorative, sliding door, screen and storm door hardware. Each item illustrated with specifications.—Lockwood Hardware Mfg. Co.

Circle No. A327 on reply card, p. 19

LOCKSETS, interior and exterior, described in 39-page catalog. Pictures and specifications given for spring latches, dead locks, dead bolts, escutcheons, accessories. How to select, styles, advertising aids.—Weiser Co.

Circle No. A328 on reply card, p. 19

LOCKS, EXIT DEVICES, closers are among subjects of condensed catalog. Features four lock lines, with chart showing functions and operation of each.—Sargent

Circle No. A329 on reply card, p. 19

LOCKSETS, LATCHES, reinforcing units covered in bound, looseleaf catalog. Describes standard and heavy-duty locksets, electric locks and decorative escutcheons. Locksmith supplies are detailed.—Challenger Lock Co.

Circle No. A330 on reply card, p. 19

PRE-ASSEMBLED LOCKSETS that install as one unit is subject here. Describes new and improved features in entrance and interior sets, escutcheons, and installation aids.—J. Chesler & Sons, Inc.

Circle No. A331 on reply card, p. 19

Builders hardware

BUILDERS HARDWARE line ranges from double-acting floor hinges to door stops. All items are pictured and priced in this 16-page publication. How-to-use details included.—The Shelby Metal Products Co.

Circle No. A332 on reply card, p. 19

BUILDING SUPPLIES for all phases of home construction and finishing are contained in a 182-page wholesale catalog. Features pictures of the product, specifications, prices, and descriptions.—Morgan-Wightman Co.

Circle No. A333 on reply card, p. 19

HARDWARE LINE is presented in 15-page catalog. Contains illustrations of many products, along with detailed charts of sizes, descriptions of materials and finishes.—Amerock Corp.

Circle No. A334 on reply card, p. 19

STEEL WIRE PRODUCTS catalog comes complete with index. Covers fence wire, baling wire, nails, ornamental gates, screws, staples, etc. —Northwestern Steel & Wire Co.

Circle No. A335 on reply card, p. 19

Nails, screws, fasteners

BUILDING SPECIALTIES in steel, ranging from wall anchors to roof ventilators, are shown in eight-page catalog. More than 35 specialties are illustrated, with details and specifications.—Cleveland Steel Specialty Co.

Circle No. A336 on reply card, p. 19

FASTENERS designed to join complicated wood assemblies are described in six-page catalog. Includes specifications, illustrations, and installation data on different types of fasteners.—Knape and Vogt Mfg. Co.

Circle No. A337 on reply card, p. 19

TIGHT-HOLDING NAILS in many designs are discussed in leaflet. Nails for following uses are illustrated: floor underlay, drywall, redwood siding, flooring, masonry, and pallet.—Angell Nail & Chaplet Co.

Circle No. A338 on reply card, p. 19

HANGING AND FASTENING devices are subject of punched brochure. Photos and specifications given for toggle bolts, expansion screw and bolt anchors and straps. Includes illustrations, drawings of setting tools and drills.—The Paine Company.

Circle No. A339 on reply card, p. 19

NAILS, SCREW ANCHORS, and sliding clips are among fasteners which folder illustrates. Includes specifications and suggested uses.—E. G. Building Fasteners Corp.

Circle No. A340 on reply card, p. 19

CONCRETE ANCHORING, by drill or drive, holds permanently. Anchors are set by air, electric or hand hammers. Described in catalog which is holed for all types of loose-leaf binders.—Polis Mfg. Co.

Circle No. A341 on reply card, p. 19

ALUMINUM NAILS are covered in colorful folder. Two-page chart illustrates 24 types of nails and uses of each. Gives packing data chart.—Nichols Wire & Aluminum Co.

Circle No. A342 on reply card, p. 19

ANCHORING AND DRILLING devices are shown in 40-page pocket-sized catalog. Index includes log and wood screw anchors, machine screw and bolt anchors, machine bolt expansion shields, nail anchors, etc.—Arro Expansion Bolt Co.

Circle No. A343 on reply card, p. 19

Stairways, railings

ALUMINUM RAILINGS and porch columns are the subject of illustrated folder. The inside spread is devoted to information on how to install both items.—Keystone Alloys Co.

Circle No. A344 on reply card, p. 19

HAND RAIL BRACKETS and railings are described in folder. Detailed drawings show construction and installation. Also shows some of the many railing sections available.—Michel & Pfeffer Iron Works, Inc.

Circle No. A345 on reply card, p. 19

DISAPPEARING STAIRWAYS are illustrated in this four-page booklet. Stairway is one-piece construction, comes in seven models. Also separate specification and price list.—Bessler Disappearing Stairway Co.

Circle No. A346 on reply card, p. 19

Swimming pools

SWIMMING POOL equipment is itemized in 24-page catalog. Includes chemicals, heaters, footbaths, filter accessories, lighting, safety equipment.—National Pool Equipment Co.

Circle No. A347 on reply card, p. 19

SWIMMING POOL BOOK has 47-pages of information for pool owners, builders, architects, engineers. Illustrates every type of equipment with photos, drawings, specifications.—Modern Swimming Pool Co., Inc.

Circle No. A348 on reply card, p. 19

AMCRETE POOL story is told at length in 12-page booklet. Describes and illustrates techniques, improved design and low-cost construction.—Amcrete Corp.

Circle No. A349 on reply card, p. 19

Building specialties

STEEL PRODUCTS . . . ranging from farm gates to steel clothesline posts. It's a 14-page catalog full of drawings and descriptive data. Plenty of useful information for any builder.—Baumgartner Gate Factory.

Circle No. A350 on reply card, p. 19

BUILDING SPECIALTIES are subject of 66-page catalog. Line includes metal weatherstripping, cabinet hardware, caulking compounds, and reflective house numbers.—Macklanburg-Duncan Company.

Circle No. A351 on reply card, p. 19

DINING NOOKS that are wall-hung are shown in four-color folder. Information on the snap-on installation system and ordering of the stock parts is included.—The Dormalux Co.

Circle No. A352 on reply card, p. 19

AUTOMATIC DUMB WAITER for home and industrial installations is described in brochure. Specifications include shaftway area, car size, load, controls.—Flinchbaugh-Murray Corp.

Circle No. A353 on reply card, p. 19

WIRE PRODUCTS for the home—pegboard fixtures, grilles, beverage carriers are shown in brochure. Items are finished in a variety of metals.—Sommer Metalcraft Corp.

Circle No. A354 on reply card, p. 19

FOLDING TABLES, steel drawers are fully covered in brochures. Shows folding wall tables, droptop folding counters, bases, etc. Lists sizes and prices.—Sturdilite Products, Inc.

Circle No. A355 on reply card, p. 19

APPLIANCES

Ranges and ovens

BUILT-IN ELECTRIC range and oven to fit every need is described in four-page brochure. It lists standard and optional features, gives specifications on four models.—National Stove.

Circle No. A356 on reply card, p. 19

A NEW LINE of kitchen built-ins will be found in Chambers' four-page, color folder. Models are fully described and illustrated. Specifications, installation details included.—Chambers Built-Ins.

Circle No. A357 on reply card, p. 19

BUILT-IN RANGES electric and gas, are illustrated in every detail with drawings. Contains features of all models, arrangements and sizes. Includes ordering information.—Samuel Stamping and Enameling Co.

Circle No. A358 on reply card, p. 19

BUILT-IN RANGES and free-standing models with the built-in look are subject here. Includes wattage and dimensions for each model.—Monarch Range Co.

Circle No. A359 on reply card, p. 19

BUILT-IN OVEN and surface unit brochure gives specification charts on all sizes and models. Shows adaptations to modern home designs. Also line of built-in refrigerators.—Gray & Dudley Co.

Circle No. A360 on reply card, p. 19

A SERIES of three-page, four-color folders complete with loose-leaf holes describes Caloric's new line of gas ranges. The folders give full technical as well as descriptive details.—Caloric Appliance Corp.

Circle No. A361 on reply card, p. 19

BUILT-IN RANGE combinations and arrangements described in brochure. Complete specifications, special features of each unit fully described.—Norge Sales Corp.

Circle No. A362 on reply card, p. 19

CHARCOAL RANGE for barbecue inside home is described in a group of 5 folders. Comes in variety of models, uses charcoal or gas. Photo, diagrams and prices included along with other details.—Hasty-Bake.

Circle No. A363 on reply card, p. 19

COMPLETE REPORT, 18 pages long, gives the entire picture of Dixie's line of gas ranges. Tells a lot about accessories, too. Illustrations are all four-color.—Dixie Products, Inc.

Circle No. A364 on reply card, p. 19

AUTOMATIC GAS RANGES are given complete coverage in 24-page booklet. Photos show sectional details, thermal eye, flame-set control, smokeproof broiler, many other features.—Hardwick Stove Co.

Circle No. A365 on reply card, p. 19

BARBECUES, both indoor and outdoor, pictured in brochure. Sample, detailed installations are given. Describes "Firebird" circulating fireplaces. Price list.—State Steel Industries, Inc.

Circle No. A366 on reply card, p. 19

KITCHENS, all-gas or all-electric, described in 20-page booklet. Complete line of ranges, ovens, ice-cube makers, refrigerator-freezers and dishwashers. Installation drawings, sizes, photos.—Whirlpool Corp.

Circle No. A367 on reply card, p. 19

BUILT-IN ELECTRIC OVEN is described and illustrated in attractive brochure. Also covers in detail most of the other ranges in the line.—Thermador Electrical Mfg. Co.

Circle No. A368 on reply card, p. 19

GAS RANGES with variety of ovens, burners, control panels, and rotisseries are color-illustrated. Brochure also contains specifications and details.—The Tappan Co.

Circle No. A369 on reply card, p. 19

Washers and dryers

DISHWASHERS, both portable and built-in, are covered in this fact-filled brochure. Performance-proved features are described, and illustrated in color.—The Hobart Mfg. Co.

Circle No. A370 on reply card, p. 19

ELECTRICAL APPLIANCES catalog describes dishwashers, air conditioners, refrigerators, freezers, water heaters, ranges, etc.—Major Appliance Div., General Electric.

Circle No. A371 on reply card, p. 19

Refrigerators, freezers

ICE-MAKING MACHINES are fully illustrated in 49-page catalog. Shows cubers, flakers, dispensers, crushers, bins. Gives specifications on all models. Installation details, other technical information.—Scotsman Ice Machines.

Circle No. A372 on reply card, p. 19

TWO-ZONE FREEZERS are illustrated in four colorful brochures. New square styling, greater storage is emphasized. Includes drawings and charts for upright and chest models. Plenty of how-two-use-it information. —Manitowoc Equipment Works.

Circle, No. A373 on reply card, p. 19

BUILT-IN REFRIGERATORS and freezers with choice of arrangement, capacity, and finish are illustrated in two brochures. Includes photos, drawings of each model, size and spec information—Revco, Inc.

Circle No. A374 on reply card, p. 19

Efficiency units

EFFICIENCY KITCHENS, gas and electric, are described here. Brochure illustrates models, arrangements and sizes.—Acme-National Sales Co.

Circle No. A375 on reply card, p. 19

ALL-IN-ONE kitchen center literature shows five types of efficiency units. Each component contains stove, sink, refrigerator. Complete specifications.—King Refrigerator Corp.

Circle No. A376 on reply card, p. 19

CAN OPENER unit of many uses shown in this series of pamphlets. Unit holds can opener, ice crusher, juicer, etc. Retail price list available. —Kitcheneer Co. of America.

Circle No. A377 on reply card, p. 19

Incinerators

GAS-FIRED INCINERATORS, smokeless and odorless, appear with construction details and specifications in illustrated pamphlets. Both list features.—Locke Stove Co.

Circle No. A378 on reply card, p. 19

INCINERATORS for all types of buildings are illustrated in eight-page booklet which gives capacities and dimensions of units. Comprehensive selection guide.—Brule Incinerators.

Circle No. A379 on reply card, p. 19

Disposers

GARBAGE DISPOSERS for home and commercial use are illustrated in this 12-page brochure. Detailed construction and specifications of models are shown.—In-Sink-Erator Mfg. Co.

Circle No. A380 on reply card, p. 19

FOOD-WASTE DISPOSERS described in series of single-leaf folders. Exploded drawings show assembly; and accessories are listed. "Instant" hot water dispenser is also offered.—National Rubber Machinery Co.

Circle No. A381 on reply card, p. 19

Range hoods

COLOR ILLUSTRATED 12-page catalog shows many types, models of copper and stainless-steel kitchen vent hoods. Contains technical details, installation diagrams.—Trade-Wind Div., Robbins & Myers, Inc.

Circle No. A382 on reply card, p. 19

DUCTLESS HOOD that utilizes activated charcoal is discussed here. Brochures illustrate various styles for top burners and ovens, also an air purifier.—Ductless Hood Co., Inc.

Circle No. A383 on reply card, p. 19

Intercoms, radio, stereo

RADIO-INTERCOM systems for the home. Four-color brochure covers complete Rangaire line of wall-mounted units. Describes master stations, room and door stations.—Roberts Mfg. Co.

Circle No. A384 on reply card, p. 19

BUILT-IN RADIOS and combination radio-intercom systems are pictured and described here. Brochure covers all phases of home communications and music distribution.—Flush Wall Radio Co.

Circle No. A385 on reply card, p. 19

THREE-WAY STEREO is one of many subjects covered in series of colorful brochures. Color TV, air conditioners, refrigerator-freezers are described. Portable, table and clock radios are offered.—Admiral Corp.

Circle No. A386 on reply card, p. 19

PAINTS, FINISHES, ADHESIVES, WATERPROOFING

Paints, finishes and coatings

FULL SPECIFICATIONS for paints, varnishes, enamels is offered in this 24-page catalog. A calibrated color-planning chart is also included as a bonus feature.—Pratt & Lambert, Inc.

Circle No. A387 on reply card, p. 19

PAINT PRODUCTS MANUAL describes complete line of paints and varnishes. Gives technical information on how to prepare surfaces, how to get best results.—The Valspar Corp.

Circle No. A388 on reply card, p. 19

EXTERIOR WALL resurfacing is the purpose of spray-on coating described in this catalog. Before-and-after illustrations of typical jobs are used.—Re-Nu-It Corp.

Circle No. A389 on reply card, p. 19

SAMPLE COLOR SQUARES are featured in a complete paint specifications catalog. Exterior and interior primers and finishes are described.—Barreled Sunlight Paint Co.

Circle No. A390 on reply card, p. 19

PAINTS AND STAINS are covered completely in large looseleaf catalog. Describes house and trim paints, shingle stains and waxes. Color samples, application suggestions included.—Samuel Cabot Inc.

Circle No. A391 on reply card, p. 19

VINYL PLASTIC PAINT in 24 ready-mix colors illustrated in brochures. Other brochures show cement colors, "Dust-On," mortar and plaster colors. —Tamms Industries.

Circle No. A392 on reply card, p. 19

PAINTS, VARNISHES, LACQUERS listed in Suggested retail price List. Includes aluminum paints, barn, interior paints, enamels, etc.—American Varnish Co.

Circle No. A393 on reply card, p. 19

Paint removers

PAINT REMOVERS, enamel and varnish removers, paint brush cleaners are some of the subjects in four-page folder. Price lists. Savogran Co.

Circle No. A394 on reply card, p. 19

Wood preservatives

WOOD PRESERVATIVE, with its applications and specifications, is described in this brochure. Advantages of product are discussed. Treating plants are also listed.—Monsanto Chemical Company.

Circle No. A395 on reply card, p. 19

Waterproofing, concrete sealers and colorants

WATERPROOFINGS, dampproofings, and protective products are subject of comprehensive catalog. Includes specifications of products and illustrations of buildings where they've been used. —Minwax Co.

Circle No. A396 on reply card, p. 19

PUTTIES, GLAZING and caulking preparations are itemized in 26-page catalog. Describes uses, applications for all types building materials.—Dicks-Armstrong-Pontius, Inc.

Circle No. A397 on reply card, p. 19

WATERPROOFING for concrete masonry presented in this series of brochures. Wall sealers, hardening compound for new concrete floors, glazing are also covered.—Truscon Laboratories.

Circle No. A398 on reply card, p. 19

COLORING MASONRY and stucco, as a business, is described in catalogs and leaflets. Covers wall finishing machine in detail, gives series of illustrations.—Colorcrete Industries, Inc.

Circle No. A399 on reply card, p. 19

WATERPROOFING concrete, brick, tile, stone, stucco is subject of 19-page catalog. Gives complete list of corrective and protective products, specifying use of each.—Standard Dry Wall Products, Inc.

Circle No. A400 on reply card, p. 19

CAULKING PRODUCTS are subject of seven-page booklet. Includes water repellents, masonry sealers, asphaltic sealers, etc. Discusses purposes, descriptions, applications. Illustrated with photos, drawings.—Pecora, Inc.

Circle No. A401 on reply card, p. 19

CONCRETE STAINS for permanence shown in colorful folder. Describes uses for patios, walks, porches, lanais and pool decks. Application methods for asphalt areas given. Color card included.—Rohloff & Co

Circle No. A402 on reply card, p. 19

Bonding agents

FOR JOINING, SETTING, and repair of masonry, tile, etc. Bonding agent is described in brochure. Lists physical properties and applications.—Permagile Corp. of America.

Circle No. A403 on reply card, p. 19

BONDING AGENTS brochure covers bonding of concrete, plaster and tile. Describes characteristics of each and gives project specifications.—Larsen Products Corp., Inc.

Circle No. A404 on reply card, p. 19

ADHESIVES FOR WALLS, floors, laminates listed in four-page brochure. Chart gives methods of application and properties, including color, freeze resistance.—Hachmeister, Inc.

Circle No. A405 on reply card, p. 19

"CONSTRUCTION BY ADHESION" is one title in series of booklets covering anchoring and application methods. Includes ideas for adhesing insulation, tile, sealers, coatings.—Miracle Adhesives Corp.

Circle No. A406 on reply card, p. 19

FLOOR AND ROOF maintenance for industrial buildings presented in this folder full of brochures. Complete data given on new floors, repairs on worn or cracked floors. Roof coatings, paints, varnishes, enamels.—Monroe Company.

Circle No. A407 on reply card, p. 19

COATING that protects aluminum from paint and plaster during construction. Described in a brochure listing uses, applications and prices.—Protectub, Inc.

Circle No. A408 on reply card, p. 19

BONDING PLASTER folder covers restoring old walls, finishing new dry walls, as well as use as a plaster base. —Nu-Wall Mfg. Co.

Circle No. A409 on reply card, p. 19

Termite controls

TERMITE CONTROL through chemical pretreatment of soil is explained in four-page folder. Discusses termite damage and method of prevention.—Velsicol Chemical Corp.

Circle No. A410 on reply card, p. 19

TOOLS AND EQUIPMENT

Tools

CONCRETE VIBRATORS and grinders, trowels and screeds are among the complete line of products pictured here. How-to-do-it photos, specifications.—Stow Manufacturing Co.

Circle No. A411 on reply card, p. 19

POWER TOOLS, their attachments and accessories, are described and priced in this fat 88-page catalog. Illustrations.—Delta Power Tool Div.

Circle No. A412 on reply card, p. 19

METAL WORKING TOOLS are shown in this catalog. It covers the new rod cutter series and bending brakes.—Whitney Metal Tool Co.

Circle No. A413 on reply card, p. 19

POWER TOOL LINE consisting of 174 models of 13 different types is featured in 52-page catalog. Shaper cutters to jointers.—Boice-Crane Co.

Circle No. A414 on reply card, p. 19

POWER EQUIPMENT for masonry and concrete work is discussed in four different folders. Products covered include pin-pullers, trowels, saws, and blades.—Champion Mfg. Co.

Circle No. A415 on reply card, p. 19

POWDER-ACTUATED tools and fastenings of tempered steel are subject of 12-page brochure. It covers complete line, applications and other fastening data.—Ramset Fastening System

Circle No. A416 on reply card, p. 19

POWDER-ACTUATED TOOLS that have many applications are described and illustrated in four-page brochure. Second brochure gives details on stud welding, includes table of test strengths.—Omark Industries, Inc.

Circle No. A417 on reply card, p. 19

SAW GRINDERS and gummers, handsaw retoothers and automatic power setters are among subject of five pamphlets. All offer specifications, illustrations.—Foley Mfg. Co.

Circle No. A418 on reply card, p. 19

POWER TOOLS, precision made, are listed together with their prices in leaflet. Saws, sheet-metal shears, and foam-rubber saws are among tools included.—Krieg, Inc.

Circle No. A419 on reply card, p. 19

VIBRATORY COMPACTOR has 3,500-lb. blow, can handle compacting of soil, sand, gravel, rock, or asphalt. Product details, models, specifications, and illustrations shown in leaflet.—Master Vibrator Co.

Circle No. A420 on reply card, p. 19

PORTABLE POWER TOOLS designed for builder use are featured in this illustrated catalog. Information on all accessories and full price data is also included.—Milwaukee Electric Tool Corporation.

Circle No. A421 on reply card, p. 19

POWER TOOL specifications, uses and advantages of extensive line, are given in well-illustrated catalog. Lists all accessories, technical data.—Skil Corp.

Circle No. A422 on reply card, p. 19

ADVANTAGES of heavy-duty vise are covered in concise folder. Illustrations show the vise in a wide variety of uses.—The Will-Burt Co.

Circle No. A423 on reply card, p. 19

HAND TOOLS designed for woodworking and their functions are described. Other specialty items such as earth augers are included in this well-illustrated publication.—Greenlee Tool Company.

Circle No. A424 on reply card, p. 19

GASOLINE CHAIN SAWS, subject of folder, are fully covered. Material describes a light machine and a heavier profession model. Also gives tips on how they can be used most profitably. —Pioneer Saws

Circle No. A425 on reply card, p. 19

GLAZIERS' TOOLS . . . pictured and described in large catalog. Covers glass cutters, putty knives, points. Also offers wood, paint, glass and wall scrapers, paint conditioners. Prices given.—Red Devil Tools

Circle No. A426 on reply card, p. 19

PORTABLE ELECTRIC TOOLS are subject of 11-page catalog. Power saws, jig saws, sanders, drills, accessories are all covered with illustrations and specifications for each model. —Cummins Portable Electric Tools.

Circle No. A427 on reply card, p. 19

CUSTOM CUTTER folder illustrates trimming jobs of tool. Back page describes features and advantages of hinge mortiser, tells what it can do.—Dosch Manufacturing Co.

Circle No. A428 on reply card, p. 19

ELECTRONIC SOLDERING gun that comes in six different models shown in series of folders. Sanders, sander-polishers, power saws and accessories. Specifications, how-to-use-it drawings. —Wen Products, Inc.

Circle No. A429 on reply card, p. 19

TROWEL TOOLS for almost every job in the trade are listed in this 70-page catalog with index. Includes specifications and prices of almost 300 items.—Goldblatt Tool Co.

Circle No. A430 on reply card, p. 19

A NEW 10-IN. BENCH SAW and other Atlas saws are described in a series of bulletins. Illustrated in two colors. Full descriptions of each machine, what it is, how it operates.—Atlas Press Co.

Circle No. A431 on reply card, p. 19

SPRING TACKERS for every construction job described in a portfolio of brochures. Includes stapling hammers, radiant heat tackers, etc. Also instructions for installing insulation and ceiling tile.—Bostitch.

Circle No. A432 on reply card, p. 19

ELECTRIC TOOLS are listed in comprehensive 72-page catalog. Contents include portable electric saws, routers, laminate trimmers, jig-saws, etc.—Black and Decker Mfg. Co.

Circle No. A433 on reply card, p. 19

CONCRETE VIBRATORS of all types, for paving, flat slabs, beams, heavy structures, finishing are described in a series of brochures. Generators and compactors included. — Maginniss Power Tool Co.

Circle No. A434 on reply card, p. 19

POWER TOOLS, kitchen appliances, described in separate brochures. Every item from power drills to percolators illustrated with full description and price of each.—Dormeyer.

Circle No. A435 on reply card, p. 19

ELECTRIC TOOLS of all types outlined in 30-page, punched booklet. Routers, power planes, sabre saws and drills are included. Packed with details, complete specifications, price list.—Stanley Electric Tools.

Circle No. A436 on reply card, p. 19

POWER TOOLS catalog has 17 pages of illustrations. Shows motors, ¼" drill, ½" drill, sabre saw, power saws, electric trimmer and saw blades with specifications for each.—American-Lincoln Corp.

Circle No. A437 on reply card, p. 19

SAWS, RULES, power and hand tools are completely itemized in 24-page catalog with index. Each tool is described in detail, listing all sizes and functions.—H. K. Porter Co., Inc.

Circle No. A438 on reply card, p. 19

ELECTRIC SAW that cuts flush in any position is subject here. Four-page brochure covers various models, parts, large selection of blades.—R. C. S. Tool Corp.

Circle No. A439 on reply card, p. 19

HIGH-SPEED END CUTTERS, designed to make ends meet perfectly, are illustrated in brochures. General specifications for all models.—The Pootatuck Corp.

Circle No. A440 on reply card, p. 19

Portable generators, heaters

PORTABLE PUMPS, portable space heaters, and power rolling equipment are among items listed here. Features of all items are described. Includes photos.—Midland Products Co.

Circle No. A441 on reply card, p. 19

ELECTRIC PLANTS, gasoline or diesel-powered, described in eight-page booklet. Shows both types with either water or air cooling. Complete specifications of each model, optional accessories.—D. W. Onan & Sons, Inc.

Circle No. A442 on reply card, p. 19

GENERATING PLANTS are given complete coverage in portfolio containing catalog and brochures. Includes photos, details, and list prices. —Pioneer Gen-E-Motor Corp.

Circle No. A443 on reply card, p. 19

Concrete forming equipment

CONCRETE FORMS for both standard and special applications are described in a 12-page booklet. All allied accessories.—Economy Forms Corp.

Circle No. A444 on reply card, p. 19

CONCRETE FORMS and methods of operation are subject of fully illustrated brochure. Also available: a companion field manual.—Irvington Form & Tank Corp.

Circle No. A445 on reply card, p. 19

FORMS, TIES, AND CLAMPS for use on concrete construction jobs are covered in this 56-page catalog. Lots of technical data. In-use photographs of the products are shown.—Universal Form Clamp Co.

Circle No. A446 on reply card, p. 19

CONCRETE FORMS and systems are covered in well-illustrated brochures. Systems are designed for light commercial and residential forming.—Simplex Forms Systems, Inc.

Circle No. A447 on reply card, p. 19

CONCRETE FORMING systems using steel-ply forms are covered in this manual. Data on the full line of products and accessories is also included.—Symons Clamp & Mfg. Co.

Circle No. A448 on reply card, p. 19

WANT TO KNOW about reusable, inflatable void forms for precast concrete, drains and sewer pipes? Here's a fine technical 12-page catalog. Illustrated with cutaway drawings.—Elgood Concrete Forms Corp.

Circle No. A449 on reply card, p. 19

Scaffolding, materials handling equipment

SELF-CONTAINED hoist units that can lift 1,500 lbs. at 100-125 ft. per second are covered in brochure. Heights of basic units are 22 and 24 feet.—Tubular Structures Corp. of America

Circle No. A450 on reply card, p. 19

POWER HOISTS and lightweight beams are described in illustrated folder. Accessories ranging from a snatch block to a hoisting platform are also pictured.—Smith Hoist Mfg. Co.

Circle No. A451 on reply card, p. 19

FUEL TANKS and LP-gas plants described in this brochure are profusely illustrated. Data on construction and performance included.—Buehler Tank & Welding Works

Circle No. A452 on reply card, p. 19

POLYETHYLENE COVERS for furniture, storage bags, outdoor construction and building materials, kitchen uses are discussed in leaflets. Include storm windows and doors, give sheet sizes.—Warp Bros.

Circle No. A453 on reply card, p. 19

DERRICKS, HOISTS and winches are described here. Catalog covers gas, electric and hand-powered models. Information includes charts, drawings, specifications.—Sasgen Derrick Co.

Circle No. A454 on reply card, p. 19

SCAFFOLDING catalog has 23 pages of illustrations, drawings, specifications. Includes parts list and assembly methods. Shows end frames, braces, casters.—Bil-Jax, Inc.

Circle No. A455 on reply card, p. 19

TAPE MEASURES in lengths up to 100′ are subject of this brochure. Presents folding rules, plumb lines, push-pull, cloth, masonry and power tapes. Price list.—Evans Rule Co.

Circle No. A456 on reply card, p. 19

LADDERS, SCAFFOLDING and equipment are covered in 30-page catalog. Describes more than 150 items for contractor. Includes drawings.—Newark Ladder & Bracket Co.

Circle No. A457 on reply card, p. 19

STEEL SUPPORT DEVICE and floor leveling item is designed for warping stairs, sagging floors, among other uses. Brochure gives complete description.—Perma-Jack Corp.

Circle No. A458 on reply card, p. 19

FUEL LANTERNS with red, clear, amber, blue or green bulbs are described and illustrated in this brochure. Additional literature on battery-powered spotlights & flashers, highway flares.—R. E. Dietz Co.

Circle No. A459 on reply card, p. 19

American Louver Co 4240 N Sayre Ave

Arkansas Oak Flooring Co 2200 W Fifth

Baker Mfg Co 133 Enterprise St Evans-

A complete listing (with name and full address) of all manufacturers in the building products and equipment field. You'll find every firm mentioned in the yellow pages is included here, and on the next 17 pages.

A

A & A Register Co 8327 Clinton Rd Cleveland 9 Ohio

A A Wire Products Co 714 E 61 St Chicago Ill

A R B Window Sales Co 19433 John R St Detroit 3 Mich

Abbeon Supply Co 179-15 Jamaica Ave Jamaica 32 NY

Aberdeen Plywood & Veneers Inc PO Box 1036 Aberdeen Wash

Abesto Mfg Co 131 Wabash St Michigan City Ind

Abitibi Corp 956 Penobscot Bldg Detroit 26 Mich

Abrasive Products Inc South Braintree Mass

Accountants' Supply House 518 Rockaway Ave Valley Stream NY

Ackerman Johnson Co 625 W Jackson Chicago 6 Ill

Acme Appliance Mfg Co Acme Builders Hardware Div 200 E Railroad Ave Monrovia Cal

Acme Brick Co PO Box 425 Ft Worth Tex

Acme Engineering & Mfg Corp Box 1203 Muskogee Okla

Acme Industries Inc 600 N Mechanic St Jackson Mich

Acme National Refrigeration Co Inc 19-26 Hazen Astoria Long Island City NY

Acme-Newport Steel Co 9th & Lowell Sts Newport Ky

Acme Shale Brick Co Inc 1153 Main St Buffalo 9 NY

Acorn Mfg Co Mansfield Mass

Acrow Corp of America 231 Washington Ave Carlstadt NJ

Active Tool & Mfg Co 888 Clairpointe Ave Detroit 15 Mich

Adam Frank Electric Co 3651 Windsor Pl St Louis Mo

Adams Bros Mfg Co Inc 1500 North Ave W Pittsburgh 33 Pa

Adams Co PO Box 268 Dubuque Iowa

Adams Engineering Co PO Box 875 Ojus Fla

Adams Rite Mfg Co 540 Chevy Chase Glendale 4 Cal

Adams & Westlake Co Safford St Elkhart Ind

Adjusta Post Mfg Co 908 S Clair & Bowery Akron 7 Ohio

Admiral Corp 3800 W Cortland Chicago 47 Ill

Ador Corp 2345 W Commonwealth Fullerton Cal

Aermotor Co 2500 W Roosevelt Chicago 8 Ill

Aeronca Mfg Co Metal Products Div Middletown Ohio

Aeroshade Co 433 Oakland Ave Waukesha Wisc

Aetna Plywood & Veneer Co 1227 W Bruce St Milwaukee 4 Wisc

Aetna Steel Prods Corp 730 Fifth Ave New York 19 NY

Afco Corp Box 5085 Lee & Roy Alexandria La

Air Control Products Inc 0-16411 64th Coopersville Mich

Air Controls Inc 2310 Superior Ave Cleveland 14 Ohio

Air Devices Inc 185 Madison Ave New York 16 NY

Air O-Cel PO Box 62 Ferndale Detroit 20 Mich

Airolite Co Westview Ave Marietta Ohio

Air Placement Equipment Co 1009 11 W 24 St Kansas City 8 Mo

Airtemp Div Chrysler Corp 1600 Webster St Dayton 1 Ohio

Air-Tite Products Inc PO Box 902 South Bend Ind

Air Vue Products Corp 5101 N W 37th Ave Miami 42 Fla

Ajax Building Bracket Co 1551 Rydal Mountain Rd Cleveland Heights Ohio

Ajax Hardware Corp 825 S Ajax Ave PO Box 2227 City of Industry LA County Cal

Akron Products Co Seville Ohio

Alabama Metal Lath Co Inc PO Box 992 Birmingham 1 Ala

Alabama Oak Flooring Co Guin Ala

Alabama Wire Co Inc PO Box 648 Florence Ala

Alamark Inc PO Box 216 Sharonville Ohio

Alan Wood Steel Co Penco Div Oaks Pa

Albertson & Co Inc 27 & Lowell Sts Sioux City 2 Iowa

Albritton Engineering Corp PO Box 31 Bryan Tex

Aldrich Co 111 Williams St Wyoming Ill

All Metal Partition Co Inc 204 DuPont St Brooklyn 22 NY

All-Metal Weatherstrip Co 1911 Ridge Ave Evanston Ill

All Weather Jalousies Inc State Highway 46 Teterboro NJ

Allegheny Ludlum Steel Co Oliver Bldg Pittsburgh 22 Pa

Alliance Mfg Co Inc Alliance Ohio

Allianceware Inc Box 809 Alliance Ohio

Allied Chemical Corp Barrett Div 40 Rector St New York 6 NY

Allied Compositions Co Inc 56-25 Flushing Ave Maspeth 78 NY

Allied Precision Indus Inc 425 Stevens St Geneva Ill

Allis Chalmers Mfg Construction Machinery Div 1126 S 70th St Milwaukee 1 Wisc

Allister Mfg Co Inc Exton Pa

Allith-Prouty Inc 819 N Bowman Ave Danville Ill

Allmetal Weatherstrip Co 1911 Ridge Ave Evanston Ill

Alloy Tile Corp 109 Roosevelt Ave Belleville NJ

Aloha Lumber Corp Aloha Wash

Alpha Portland Cement Co Alpha Bldg Easton Pa

Alsco Inc 225 S Forge Box 270 Akron 8 Ohio

Alside Inc 1415 Waterloo Rd Akron Ohio

Alsto Co 4007 Detroit Ave Cleveland Ohio

Alsynite Co of America 4654 DeSoto St San Diego 9 Cal

Alumatic Corp of America 2081 S 56th St Milwaukee 19 Wisc

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa

Aluminum & Glass Products Co 1901 Franklin Ave Houston Tex

Aluminum Industries 716 E Nash Milwaukee Wisc

Alvey Ferguson Co Inc North & Disney Cincinnati 9 Ohio

Amana Refrigeration Inc Amana Iowa

Ambassa Dor Co Malvern Pa

Ambroid Co Box 30 Weymouth 88 Mass

Amcrete Corp 102 Mamaroneck Ave Mamaroneck NY

American Abrasive Metals Co 460 Colt St Irvington 11 NJ

American Accordion-Fold Doors Inc 171-04-06 Jamaica Ave Jamaica 32 NY

American Air Filter Co 215 Central Ave Louisville 8 Ky

American Art Metals Co 433 Highland Ave NE Atlanta Ga

American Asbestos Product Co 800 Franklin Blvd Cleveland Ohio

American Biltrite Rubber Co Perrine Ave Trenton 2 NJ

American Bitumuls & Asphalt Co 320 Market St San Francisco 20 Cal

American Brass Co 414 Meadow St Waterbury 20 Conn

American Builder Book Service Dept 30 Church St New York NY

American Coils Co R-524 Lakewood Rd Farmingdale NJ

American Conveyor Co 2133 S Christiana Chicago 23 Ill

American Coolair Corp 3600 Mayflower Ave Jacksonville 3 Fla

American Duralite Corp Loudon Tenn

American Engineering Co Wheatsheaf Lane & Sepviva St Philadelphia 37 Pa

American Flexible Conduit Co 969 Shawmut Ave New Bedford Mass

American Floor Machine Co 5185 St Clair St Toledo 3 Ohio

American Furnace Co 1300 Hampton Ave St Louis 10 Mo

American Hoist & Derrick Co 63 S Robert St St Paul 7 Minn

American Incinerator Corp 5710 E Navada St Detroit 11 Mich

Berko Electric Mfg Corp 212-40 Jamaica

Bridgeport Brass Co Hunter Douglas Div

Cal Vent Mfg Co 1022 Gerhart Ave Los

American Louver Co 4240 N Sayre Ave Chicago 34 Ill

American Marietta Co Valdura Div 101 E Ontario St Chicago 11 Ill

American Mat Corp 2330 Adams St Toledo 2 Ohio

American Olean Tile Co 1000 Cannon Ave Lansdale Pa

American Photocopy Equipment Co 2100 W Dempster Evanston Ill

American Radiator & Standard Sanitary Corp Plumbing & Heating Div 40 W 40th St New York NY

American Roof Truss 6750 Stony Island Ave Chicago 49 Ill

American-Saint Gobain Corp 625 Madison Ave New York 22 NY

American Saw & Mfg Co 67 Boylston St Springfield 1 Mass

American Screen Products Co 61 E North Ave Northlake Ill

American Shower Door Co Inc 936 N Cahuenga Blvd Hollywood 38 Cal

American Sisalkraft Corp 55 Starkey Ave Attleboro Mass

American Sta-Dri Co 4102 41st St Brentwood Md

American Stained Shingle Co 381 West Spruce St Columbus Ohio

American Standard Air Conditioning Div Elyria Ohio

American Standard American Blower Div 8111 Tireman Detroit 32 Mich

American-Standard Plumbing & Heating Div 40 W 40 th St New York 18 NY

American Steel Door Co 11148 Harper Ave Detroit 13 Mich

American Steel & Wire Div US Steel Corp 614 Superior Ave NW Cleveland 13 Ohio

American Telephone & Telegraph Co 195 Broadway New York 7 NY

American Varnish Co 1134 N Branch St Chicago 22 Ill

American Vitrified Prods Co 700 National City Bank Bldg Cleveland 14 Ohio

American Woodworking Machinery Co 100 Liberty St Hackettstown NJ

Amerock Corp 4000 Auburn St Rockford Ill

Ames Metal Moulding Co 33 California Ave Paterson NY

Amidon Engineering Co 38369 Cleveland Rd Elyria Ohio

Amweld Building Products Div American Welding & Mfg Co 100 Plant St Niles Ohio

Anaconda Wire & Cable Co 25 Broadway New York 4 NY

Anchor Fence Div Anchor Post Prods Inc 6500 Eastern Ave Baltimore 24 Md

Anchor Mfg Co 2932 W 26 St Chicago 23 Ill

Andersen Corp Bayport Minn

Anderson V E Mfg Co Inc 1515 E 18 St Owensboro Ky

Androc Chemical Co 7301 W Lake St Minneapolis Minn

Anesite Co 3575 Touhy Chicago 45 Ill

Angel Co 340 Broad St Fitchburg Mass

Angelina Hardwood Sales Co 1312 Wilson St Lufkin Tex

Angell Nail & Chaplet Co 4580 E 71 St Cleveland Ohio

Anoroc Products Inc 97 11 Northern Blvd Corona LI 68 NY

Anson & Gilkey Co South Sales St Merrill Wisc

Anti Hydro Waterproofing Co 265 Badger Ave Newark 8 NJ

Appleton Coated Paper Co 1200 N Meade Appleton Wisc

Arcadia Metal Products 801 South Acacia Ave Fullerton Cal

Arcata Plywood Corp PO Box 427 Arcata Cal

Architectural Plan Service Inc 89-51 164th St Jamaica 3 NY

Architectural Tiling Co 101 Park Ave New York NY

Arco Co 7301 Bessemer Cleveland 27 Ohio

Arkansas Cement Corp Sub of Arkansas Louisiana Gas Co 812 Main St Little Rock Ark

Arkansas Oak Flooring Co 2200 W Fifth Ave Pine Bluff Ark

Arketex Ceramic Corp 6 N Walnut St Brazil Ind

Arkla Air Conditioning Corp 812 Main St Little Rock Ark

Armco Drainage & Metal Products 703 Curtis St Middletown Ohio

Armstrong Cork Co Liberty St Lancaster Pa

Armstrong Furn Co Div Natl U E 851 W Third Ave Columbus 8 Ohio

Armstrong Products Corp PO Box 940 Huntington 12 W Va

Arnold Altex Aluminum Co 6721 NW 36th Ave Miami 47 Fla

Arpe Corp New Holstein Wisc

Arro Expansion Bolt Co PO Box 388 Marion Ohio

Arrow Fastener Co Inc 1 Junius St Brooklyn NY

Arrow Hart & Hegeman Elec Co 103 Hawthorn St Hartford 6 Conn

Arrow Tank Co Inc 16 Barnett St Buffalo 15 NY

Art Metal Co 1814 E 40 St Cleveland Ohio

Arterest Products Co Inc 255 W 79 St Chicago Ill

Arvey Corp 3462 N Kimball Ave Chicago 18 Ill

Ash Grove Lime & Portland Cement Co 1105 Fairfax Bldg Kansas City Mo

Askren J I Co Stock Yards Indianapolis Ind

Asphalt Corp of America Calif & Daniel Sts Danville Ill

Associated Plan Services Inc 384 New York Ave Huntington NY

Associated Plumbing Supply Co Inc 10 St Baerfield Fort Wayne Ind

Atco Aluminum Products 1910 S Kuhl St Orlando Fla

Athens Stove Works Inc 213 Hicks St Athens Tenn

Atkins Saw Div Borg-Warner 402 S Illinois St Indianapolis 25 Ind

Atkins Wood Products Corp 103-12 101 St Ozone Park NY

Atkinson Mfg Co 502-14 S James Ludington Mich

Atlanta Oak Flooring Co Box 942 Atlanta Ga

Atlas Electric Prods Co 324 Maujer St Brooklyn 6 NY

Atlas Floor Surfacing Machinery Corp 268 East 34th St New York 16 NY

Atlas Overhead Door Co 122 Mill St Quakertown Pa

Atlas Press Co 1901 N Pitcher St Kalamazoo Mich

Aubrey Hardware Mfg Inc Union Ill

Auer Register Co 6600 Clement Ave Cleveland 5 Ohio

Aurora Pump Div New York Air Brake Co Loucks at Dearborn Aurora Ill

Austin & Eddy Inc 115 Broad St Boston 4 Mass

Auth Electric Co Inc 34-20 45th St Long Island City 1 NY

Autographic Business Forms Inc 45 E Wesley St South Hackensack NJ

Automatic Transportation Co 101 W 87 St Chicago 20 Ill

Auto-Nailer Co 267 Marietta St Atlanta 13 Ga

Award Pools 7765 Lemona Ave Van Nuys Cal

Axford Prairie Shake Co Rt 1 Box 120 Hoquiam Wash

Azrock Floor Products Div Uvalde Rock Asphalt Co Box 531 San Antonio Tex

B

B & T Metals Co 425 W Town St Columbus 16 Ohio

Babcock W W Co Inc Delaware Ave Bath NY

Badger Div The Warner & Swasey Co 1124 West Fifth St Winona Minn

Baker Mfg Co 133 Enterprise St Evansville Wisc

Baldwin-Ehret-Hill Inc 500 Breunig Ave Trenton 2 NJ

Baldwin Hardware Mfg Corp 841 Wyomissing Blvd Reading Pa

Ballymore Co Lincoln & Garfield West Chester Pa

Baltz Robert N & Co Inc 1009 Harvard Terrace Evanston 1 Ill

Bangkok Industries Inc 1545 W Passyunk Ave Philadelphia 45 Pa

Barber Colman Co Overdoors & Operators Div Park Plant Rockford Ill

Barber Greene Co 400 N Highland Aurora Ill

Bar-Brook Mfg Co PO Box 6638 Shreveport La

Barclay Mfg Co Inc 385 Gerard Ave New York 51 NY

Barco Mfg Co 500 N Hough St Barrington Ill

Bard Mfg Co Bryan Ohio

Barkow Aug G Mfg Co Inc 2230 S 43 St Milwaukee 46 Wisc

Barland Weatherstrip Material Co 1960 E 59 St Cleveland 3 Ohio

Barnes Mfg Co 651 N Main St Mansfield Ohio

Barnhardt Mfg Co PO Box 2176 Charlotte 1 NC

Barreled Sunlight Paint Co Dept 19 PO Box 1365 Providence 1 RI

Barrett Cravens Co 630 Dundee Rd Northbrook Ill

Bauer Mfg Co Bowman St Wooster Ohio

Baughman Mfg Co Inc Shipman Rd Jerseyville Ill

Baumgartner Gate Factory S Fifth St Manchester Iowa

Baxter J H & Co 120 Montgomery St San Francisco Cal

Bay State Abrasive Products Co Union St Westboro Mass

Bayley William Co 1200 Warder St Springfield Ohio

Beach Mfg Co Mill & High Sts Montrose Pa

Beadex Sales Inc 4615 Eighth Ave NW Seattle 7 Wash

Beauti-Dor Inc 4723 N Pulaski Rd Chicago 30 Ill

Beautycraft Kitchens Div Miller Metal Products Inc 2215 Russell St Baltimore 30 Md

Beaver Advance Corp PO Box 792 Ellwood City Pa

Bee Gee Window Co 13th & Smallman Pittsburgh 22 Pa

Behr-Manning Co 3360 Howe St Troy NY

Belden Brick Co Canton 1 Ohio

Bell & Gossett Co 8200 N Austin Morton Grove Ill

Bellkool Co Inc 531 N Eighth St Milwaukee Wisc

Bellwood Co of California 533 West Collins Orange Cal

Belsaw Machinery Co 315 Westport Rd Kansas City 11 Mo

Belson Mfg Co East River Rd N Aurora Ill

Belwood Industries Inc Ackerman Miss

Bemis Mfg Co 304 Broadway Sheboygan Falls Wisc

Bendix Mouldings Inc 192 Lexington Ave New York 16 NY

Ben-Hur Mfg Co 634 E Keefe Ave Milwaukee 12 Wisc

Benjamin Electric Co Northwest Hwy Des Plaines Ill

Bennett-Ireland Inc 1151 Market St Norwich NY

Bennett Mfg Co Railroad St Alden NY

Berg F O Co N 318 Division St Spokane Wash

Berg John Mfg Co 5319 S LaSalle St Chicago 9 Ill

Berger C L & Sons 37 William St Boston Mass

Berger Insulation Co Inc 5820 Centre Ave Pittsburgh 6 Pa

Berkeley Aluminum Products Div of Allied Metals Inc 14 Hamilton St New London Conn

Berko Electric Mfg Corp 212-40 Jamaica Ave Queens Village 28 NY

Berns Air King Corp 3050 N Rockwell St Chicago 18 Ill

Berry Brothers Div of American Marietta Co 211 Leib St Detroit Mich

Berry Door Corp 2400 E Lincoln Rd Birmingham Mich

Besser Co Box 336 Alpena Mich

Bessler Disappearing Stairway 1900 E Market St Akron 5 Ohio

Bestwall Gypsum Co 120 E Lancaster Ave Ardmore Pa

Bestwood Cedar Shingle Co Ltd Box 2042 Vancouver 3 BC

Bethlehem Steel Co Bethlehem Pa

Better-Bilt Door Co 950 Harbor Rd Egg Harbor City NJ

Better Homes and Gardens 1716 Locust St Des Moines 3 Iowa

Bianco Mfg Co 2736 Victor St St Louis 4 Mo

Bica Co 1170 N State St Girard Ohio

Biddle Co Breckenridge Industrial Court St Louis 19 Mo

Biersach & Neidermeyer Co 1957 N Hubbard St Milwaukee Wisc

Bigelow-Sanford Carpet Co Inc 140 Madison Ave New York NY

Bilco Co 37 Water St West Haven Conn

Bil-Jax Inc 100 Wyse Rd Archbold Ohio

Biltbest Corp 175 Coyne St Ste Genevieve Mo

Binswander Glass Co 207 N Main St Houston 1 Tex

Bird & Son Inc East Walpole Mass

Birdair Structures Inc 290 Larkin St Buffalo 10 NY

Birge Co Inc 390 Niagara St Buffalo 1 NY

Black Hills Clay Products Co Box 730 Belle Fourche SD

Black & Decker Mfg Co 600 E Pennsylvania Towson 4 Md

Black White Limestone Co Front & Eighth St Quincy Ill

Blackstone Corp 1032-88 Allen St Jamestown NY

Bliss Steel Prods Corp 617 W Manlius St E Syracuse NY

Bloomington Limestone Corp 900 Walnut Box 44 Bloomington Ind

Blue Ridge Glass Corp PO Box 631 Kingsport Tenn

Blum Julius & Co Inc Carlstadt NJ

Bodinson Mfg Co 2401 Bayshore Blvd San Francisco Cal

Boice Crane Co 930 W Central Ave Toledo 6 Ohio

Bommer Spring Hinge Co Inc Landrum SC

Bonafide Mills Inc 295 Fifth Ave New York NY

Borden Chemical Co Div Borden Co 350 Madison Ave New York 17 NY

Borg-Warner Corp Ingersoll Humphryes Div 201 East Fifth St Mansfield Ohio

Boro Wood Prods Co Inc PO Box 636 Bennettsville SC

Bostitch E Greenwich RI

Bostrom-Brady Mfg Co 526 Stonewall St SW Atlanta 3 Ga

Bostwick Steel Lath Co 1890 Griswold Dr Niles Ohio

Bosworth Mfg Co 34250 Mills Rd Avon Ohio

Bourne Products 900 Bourne Pl El Cajon Cal

Bowerston Shale Co Box 155 Bowerston Ohio

Bowser Inc Supply Div 1303 W Randolph St Chicago 7 Ill

Bradley Southern Div Potlatch Forests Inc PO Box 390 Warren Ark

Brainerd Mfg Co N Washington St E Rochester NY

Brammer Mfg Co 1441 Rockingham Rd Davenport Iowa

Braund Plywoods Inc 314 Wabeek Bldg Birmingham Mich

Briar Hill Stone Co Glenmont Ohio

Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn

Bridgeport Brass Co Hunter Douglas Div 405 Lexington Ave New York 17 NY

Bridgeport Hardware Mfg Corp Scofield Ave Bridgeport 5 Conn

Briggs Manufacturing Co 6600 E 15 Mile Rd Warren Mich

Brikcrete Associates Inc Holland Mich

Brixite Mfg Co Inc S Kearny NJ

Broan Mfg Co Inc 926 W State St Hartford Wisc

Brookhaven Pressed Brick Mfg Co Brookhaven Miss

Brookings Plywood Corp PO Box 1008 Brookings Ore

Brooks-Scanlon Inc Box 1111 Bend Ore

Brown Co 150 Causeway St Boston 14 Mass

Brown George C & Co Inc 1730 W Lee St Greensboro NC

Brown & Grist Inc 25 Tyler Ave Newport News Va

Brown Prods Co 1090 Springfield Union NJ

Brown Stove Works Inc PO Box 495 Cleveland Tenn

Brown W R Corp 2701 N Normandy Ave Chicago 35 Ill

Bulldog Div Gregory Industries Inc Toledo Ave & E 28 St Lorain Ohio

Bruce E L Co 1648 Thomas Box 397 Memphis 1 Tenn

Brule Incinerator Corp 13920 S Western Ave Blue Island Ill

Bryant Electrical Co 1421 State St Bridgeport 2 Conn

Bryant Manufacturing Co 2020 Montcalm St Indianapolis Ind

Buch Co Div of Moto-Mower Inc Elizabethtown Pa

Bucyrus-Erie Co S Milwaukee Wisc

Buffalo Forge Co 490 Broadway Buffalo 4 NY

Buffalo Wallcraft Co Inc PO Box 54 Buffalo 7 NY

Bugher Mfg Co 301 E Lincoln Rd Kokomo Ind

Builders Brick Co 3800 Ninth Ave S Seattle 8 Wash

Builders Fireplace & Supply 2604 Link Rd Houston Tex

Bulldog Electric Products Div I-T-E Circuit Breaker Co 7610 Joseph Campau Detroit 11 Mich

Burgess Fastening Co 1220 W Ninth St Cleveland 13 Ohio

Burgess-Manning Co 749 E Park Libertyville Ill

Burgess Vibrocrafters Inc Grayslake Ill

Burnham Boiler Corp Irvington NY

Burnham Corp Warm Air & Cooling Div Fourth & Main Sts Belle Vernon Pa

Burr-Southern Div State Steel Industries Inc 17900 E Valley Blvd PO Box F1 City of Industry Cal

Burroughs Corp 6071 Second Blvd Detroit 32 Mich

Burrowes Corp 70 Free St Portland Me

Burt Mfg Co 44 E South St Akron 11 Ohio

Buschman E W Co Inc 4481 Clifton at Winton Pl Cincinnati 32 Ohio

Buss Machine Works Inc Eighth & Eldon Sts Holland Mich

Butcher & Hart Mfg Co 4601 Cortland Ave Altoona Pa

Butler Mfg Co 7400 E 13 St Kansas City 26 Mo

Byers A M Co Clark Bldg Pittsburgh Pa

C

C & H Air Conditioning Co Inc 1591-1623 DeKalb Atlanta Ga

C H & E Manufacturing Co 3849 N Palmer St Milwaukee 12 Wisc

C & H Electric Machine Co 436 W Juneau Ave Milwaukee 3 Wisc

Cable Electric Products Inc 234 Daboll St Providence RI

Cabot Samuel Inc 1144 Oliver Bldg Boston 10 Mass

Cal Vent Mfg Co 1032 Gerhart Ave Los Angeles 22 Cal

Calbar Paint & Varnish Co 2612-26 N Martha St Philadelphia 25 Pa

Calcinator Corp 28 & Water Sts Bay City Mich

Calder Mfg Co Box 1558 Lancaster 12 Pa

Caldwell Mfg Co 68 Commercial St Rochester 14 NY

California Spray-Chemical Corp Lucas & Ortho Hwy Richmond Cal

Calnail Inc 1922 W Vliet St Milwaukee Wisc

Caloric Appliance Corp Topton Pa

Cambridge Tile Mfg Co Box 71 Cincinnati 15 Ohio

Camp Co Inc 9300 S Sangamon St Chicago 20 Ill

Canadian Forest Prods Ltd Hunting-Merritt Shingle Div 9110 Milton St Vancouver BC

Cannelton Sewer Pipe Co Fourth & Washington Sts Cannelton Ind

Cannon Electric Co 3208 Humboldt St Los Angeles Cal

Capilano Timber Co Ltd Box 2230 Vancouver BC

Capitol Products Co 1839 S Main Box 351 Jacksonville Ill

Capitol Products Corp Carlisle Pike Mechanicsburg Pa

Capri Mfg Inc 2838 N Naomi St Burbank Cal

Capri Sales Inc 217 N Lake St Burbank Cal

Caradco Inc Eleventh & Jackson Dubuque Iowa

Carbolineum Wood Preserving Co 6683 N 40 St Milwaukee 9 Wisc

Carborundum Co PO Box 477 Niagara Falls NY

Carey-McFall Co 2156 E Dauphin St Philadelphia 25 Pa

Carey Philip Mfg Co 320 S Wayne Cincinnati 15 Ohio

Carlon Products Corp PO Box 133 Aurora Ohio

Carlyle Tile Co Box 128 Ironton Ohio

Carney Co Inc PO Box 28 Mankato Minn

Carpenter Oak Flooring Co 906 N 40 Box 3173 Birmingham Ala

Carrier Corp Carrier Parkway Syracuse 1 NY

Carrollton Mfg Co Sink Div Carrollton Ohio

Carter-Waters Corp 2440 W Pennway Kansas City Mo

Carthage Marble Corp Box 612 Carthage Mo

Cascade Lumber Co Div of Boise-Cascade Corp N Seventh & H Sts Yakima Wash

Cascade Pools 811 State Hwy 23 Hamilton Square NJ

Cascades Plywood Corp 1316 Public Service Bldg Portland 4 Ore

Case J I Co 702 State St Racine Wisc

Case Mfg Corp 247 Delaware Ave Buffalo 2 NY

Casings Inc & Drywall Trim Div 2408 N Farwell Ave Milwaukee 11 Wisc

Caterpillar Tractor Co Peoria Ill

Cavalier Corp 341 W First St Chattanooga Tenn

Ceco Steel Prods Corp 5601 W 26 St Chicago 50 Ill

Cedar Supply Co Humptulips Wash

Cedarwood Timber Co Box 105 Vernonia Ore

Ceilheat Inc 3 Malden St Natick Mass

Celotex Corp 120 S LaSalle St Chicago 3 Ill

Cemex of Arizona 8949 Sunset Blvd Los Angeles 46 Cal

Cenatron Industries 5464 Rt 99 S Fresno Cal

Central Foundry Co 932 Broadway New York 10 NY

Central Metal Strip Co 4343 N Western Ave Chicago 18 Ill

Centralia Plywood Inc PO Box 449 Centralia Wash

Century Fence Co Box 466 Waukesha Wisc

Century Shake Mill PO Box 52 Copalis Beach Wash

Ceresit Waterproofing Corp 3227 S Shields Ave Chicago 16 Ill

Cermak Tile Co Inc 4901 Brookpark Rd Cleveland 29 Ohio

Certain-Teed Sales Corp 120 E Lancaster Ave Ardmore Pa

Chain Belt Co 4701 W Greenfield Milwaukee 1 Wisc

Challenger Lock Co 2349 W La Palma Anaheim Cal

Chamberlin Co of America 745 Fifth Ave New York 22 NY

Chambers Built-ins Inc 2012 N Harlem Ave Chicago 35 Ill

Champion Dearment Tool Co 1306-16 Main St Meadville 1 Pa

Champion Door Co Inc 7106 Pomander Lane Chevy Chase 15 Md

Champion Mfg Co 3700 Forest Park Ave St Louis 8 Mo

Charles Machine Works 631 B St Perry Okla

Charleston Clay Prods Co PO Box 349 Charleston 22 W Va

Chase Brass & Copper Inc 236 Grand St Waterbury 20 Conn

Chattanooga Royal Co First & Delmar Sts Chattanooga 6 Tenn

Chattanooga Wheelbarrow Co 1311 E Main St Chattanooga 2 Tenn

Chelsea Elevator Co 549-551 W 52 St New York 19 NY

Chelsea Fan & Blower Co Inc 639 S Ave Plainfield NJ

Chemical Products Div Darworth Inc 56 Maple St Simsbury Conn

Chemold Co 2000 Colorado Ave Santa Monica Cal

Cherokee Brick & Tile Co PO Box 58 Macon Ga

Chesley J & Sons Inc 41-49 Varick Ave Brooklyn 37 NY

Chester Packaging Prods Corp 684 Nepperhan Ave Yonkers NY

Chester Products Inc Belle Ave & B&ORR Hamilton Ohio

Chevrolet Motor Div Gen Motors Gen Motors Bldg Detroit 2 Mich

Chicago Blower Corp 9867 Pacific Ave Franklin Park Ill

Chicago Bronze & Color Works 2637 W Grand Ave Chicago 12 Ill

Chicago Expansion Bolt Co 1338 W Concord Pl Chicago 22 Ill

Chicago Faucet Co 2700 22 N Pulaski Chicago 39 Ill

Chicago Fire Brick Co 1467 N Elston Chicago 22 Ill

Chicago Metal Strip Co 4521 N Clark St Chicago 40 Ill

Chicago Pneumatic Tool Co Six E 44 St New York 17 NY

Chicago Pottery Co 1920 N Clybourn Chicago 14 Ill

Chicago Pump Co 622 Diversey Pkwy Chicago 14 Ill

Chicago Spring Hinge Co 1500-02 Carroll Ave Chicago 7 Ill

Chickamauga Cedar Co Inc Stevenson Ala

Chicopee Mills Inc Lumite Div 47 Worth St New York 13 NY

Childers Mfg Co 3620 W 11th St Houston 8 Tex

Cincinnati Iron Fence Co Inc 2101 Florence Ave Cincinnati 6 Ohio

Cincinnati Tool Co 1946 Waverly Ave Cincinnati 12 Ohio

Circle F Mfg Co 720 Monmouth St Trenton NJ

Circle Wire & Cable Corp Sub of Cerro De Pasco Corp 5500 Maspeth Ave Maspeth NY

Clad-Rex Div Simoniz Co 2101 S Indiana Ave Chicago 16 Ill

Clarage Fan Co 719 Porter St Kalamazoo Mich

Clark Door Co Inc 515 Hunterdon St Newark 8 NJ

Clark Equipment Co Construction Machinery Div Box 599 Benton Harbor Mich

Clark Equipment Co Industrial Truck Div 24th St & Lafayette Battle Creek Mich

Clark J R Co Spring Park Minn

Clarke Floor Machine Co 30 E Clay Ave Muskegon Mich

Clay City Pipe Co Lock Drawer 272 Uhrichsville Ohio

Clay Equipment Corp Cedar Falls Iowa

Clayton Mark & Co 1900 Dempster St Evanston Ill

Cleveland Heater Co 2310 Superior Ave Cleveland 14 Ohio

Cleveland Quarries Co Amherst Ohio

Cleveland Steel Specialty Co 3779 E 91 St Cleveland 5 Ohio

Cleveland Trencher Co 20100 St Clair Ave Cleveland 17 Ohio

Cleveland Wash Tray Mfg Co 1250 W 65 St Cleveland 2 Ohio

Clinton Metallic Paint Co Arthur St Clinton NY

Clipper Mfg Co 2800 Warwick Kansas City Mo

Clopay Corp Clopay Square Cincinnati 14 Ohio

Closures Sales Corp 533 E Forest Ave Detroit 11 Mich

Cloud Oak Flooring Co 1916 N Weller Springfield Mo

Clyde Iron Works Inc 29th Ave & W Mich Duluth 1 Minn

Coddington E D Mfg Co 5024 N 37 St Milwaukee 9 Wisc

Coffing Hoist Div Duff-Norton 800 Walter St Danville Ill

Coffman R G Co Inc PO Box 1113 Orlando Fla

Cole Mfg Co PO Box 2657 Memphis 2 Tenn

Cole Prods Corp PO Box 4182 Austin Tex

Coleman Co Inc Second & St Francis Wichita 1 Kan

Colonial Bronze Co Winsted Rd Torrington Conn

Colonial Cedar Co 625 W Ewing St Seattle 99 Wash

Colonial Fireplace Co 540 N Cicero Chicago 44 Ill

Colonial Moulding & Frame Co Inc 928 Broadway New York 10 NY

Colonial Products Co Broad & Park Sts Dallastown Pa

Colonna Angelo Inc Westmoreland & Boudinot Sts Philadelphia 34 Pa

Colorado Fuel & Iron Corp Continental Oil Bldg Denver 2 Colo

Colorado Fuel & Iron Corp 575 Madison Ave New York 22 NY

Colorado Metal Prod Corp 450 Kalamath St Denver Colo

Colorcrete Industries Inc 500 W 24 St Holland 1 Mich

Colson Corp 7 S Dearborn Chicago Ill

Columbia Brick Works 1320 S E Water Ave Portland 14 Ore

Columbia Geneva Steel Div US Steel 120 Montgomery St San Francisco Cal

Columbia Metal Box Co 260 E 143 St New York 51 NY

Columbia Mills Inc 368 S Warren St Syracuse 1 NY

Columbia Southern Chem Corp 1 Gateway Center Pittsburgh 22 Pa

Columbus Coated Fabrics Corp E Seventh & Grant Aves Columbus 16 Ohio

Columbus Plastic Prods Inc 1625 W Mound St Columbus 23 Ohio

Comet Mfg Co Div Siegler Corp 2033 Santa Fe Ave Los Angeles 21 Cal

Comfort Geo N Lumber Co 3592 Lee Rd Cleveland Ohio

Comfort Products Inc PO Box 1211 Dallas 21 Tex

Commander Doors Inc Maple Ave Holmes Pa

Commonwealth Lumber Corp Box 346 Murphy NC

Concrete Equip Co 514 Ottawa Ave Holland Mich

Concrete Weld Co G-5186 Coldwater Rd Flint 6 Mich

Condensation Engineering Co 3511 W Potomac Ave Chicago 51 Ill

Condon-King Co 1247 Rainier Ave Seattle 44 Wash

Congoleum-Nairn Inc 195 Belgrove Dr Kearny NJ

Connor Engineering Corp Shelter Rock Lane Danbury Conn

Connor Lumber & Land Co 231 Thomas St Wausau Wisc

Consolidated General Prod Inc PO Box 7425 Houston Tex

Consolidated Mach & Supply Co Ltd 2031 Santa Fe Ave Los Angeles 21 Cal

Consoweld Corp 700 Hooker St Wisconsin Rapids Wisc

Construction Cost Institute Box 8788 University Denver 10 Colo

Construction Machinery Co 420 Vinton St Waterloo Iowa

Contact Lumber Co 719 Corbett Bldg Portland 4 Ore

Continental Aluminum Prods Co 1800 W Roscoe St Chicago 13 Ill

Continental Can Co Conolite Dept 205 W 14 St Wilmington Del

Continental Pump Co 1027 S Vandeventer St Louis Mo

Continental Radiant Glass Heating 4 W 40th St New York 18 NY

Continental Steel Corp 1109 S Main St Kokomo Ind

Controls Co of America 2450 N 32 St Milwaukee Wisc

Conver Steel & Wire Co 600 E 132 St New York 54 NY

Cook A B Co Malvern Ark

Cook F C & Co PO Box 6707 Towson 4 Md

Cook Paint & Varnish Co 1412 Knox N Kansas City Mo

Cookson Co 1525 Cortland Ave San Francisco 10 Cal

Cool Roof Inc 4119 Ponce de Leon Blvd Coral Gables Fla

Coolerator McGraw-Edison 704 N Clark St Albion Mich

Copco Steel & Engineering Co Commodity Products Div PO Box 6257 Detroit 34 Mich

Copperweld Steel Co Wire & Cable Div Glassport Pa

Coppes Inc Nappanee Ind

Copymation Inc 5650 N Western Ave Chicago 45 Ill

Corbin P & F Div American Hardware Corp 102 Washington St New Britain Conn

Corson G & W H Inc Plymouth Meeting Pa

Cortland Grinding Wheels Corp 1 Huntington St Chester Mass

Corvallis Plywood PO Box 411 Corvallis Ore

Cory Corp 3200 W Peterson Ave Chicago 45 Ill

Cox Arthur & Sons Inc 70 N Sycamore St Pasadena Cal

Crab Orchard Stone Co Inc PO Box 238 Crossville Tenn

Craftsman Book Co of America 11975 San Vicente Blvd Los Angeles 49 Cal

Craftwood Products 94 Stephen St Belleville NJ

Crane Co 836 S Michigan Ave Chicago 5 Ill

Crawford Corp 7111 Florida Blvd Baton Rouge La

Crawford Door Co 20263 Hoover Rd Detroit 5 Mich

Creo-Dipt Co Inc 968 Oliver St N Tonawanda NY

Cre-O-Tox Chemical Co 2670 Broad St Memphis 12 Tenn

Crestline Co 100 Thomas St Wausau Wisc

Cribben & Sexton Co 700 N Sacramento Chicago 12 Ill

Croft Metal Products Inc McComb Miss

Cromar Co Susquehanna St Williamsport Pa

Crossett Lumber Co Crossett Ark

Crossly Window Corp 7375 N W 35th Ave Miami Fla

Crown Rubber Co 1615 Crochan St Fremont Ohio

Crown Tile Corp PO Box 564 Maddillon Ohio

Crown Zellerbach Corp 343 Sansome St San Francisco 19 Cal

Cuckler Steel Span Co PO Box 346 Monticello Iowa

Culligan Inc 1657 Shermer Ave Northbrook Ill

Cummins Portable Tools Div John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wisc

Cupples Products Corp 2650 S Hanley Rd St Louis 17 Mo

Curtis-Allbrite Lighting Inc 6135 W 65 St Chicago Ill

Curtis Companies Inc 1200 S Second Ave Clinton Iowa

Curtiss Wright Corp Curon Div 50 Rockefeller Plaza New York NY

Curtition Corp 2227 Sawtelle Blvd W Los Angeles Cal

Cutler Hammer Inc 201 N 12 St Milwaukee 1 Wisc

Cutler Metal Prods Co 1025 Line St Camden NJ

Cutrite Cedar Prods 1432 E Fourth St Port Angeles Wash

Cyclone Fence Dept American Steel & Wire Div Box 260 Waukegan 1 Ill

D

Dad & Lad Co PO Box 285 New Lenox Ill

Dalton Mfg Co 30 S Central Ave St Louis 5 Mo

Damascus Steel Products Corp 2215 Kishwaukee St Rockford Ill

Damp-Vent Co 210-17 St Box 203 Bettendorf Iowa

Danbury Rubber Co Inc Shelter Rock Rd Danbury Conn

Dant & Russell Inc 1320 S W Broadway Portland Ore

Danuser Machine Co 500 E Third St Fulton Mo

Daryl Products Corp 7240 N E Fourth Ave Miami Fla

Dasco Co Inc 1602 Thames St Baltimore 31 Md

Davidson Shingle Co Ltd Silverdale BC

Davidson Enamel Products Inc 1100 E Kibby St Lima Ohio

Day & Night Mfg Co 855 Anaheim-Puente Rd La Puente Cal

Dayton Electric Mfg Co 126 S Oakley Blvd Chicago Ill

Dayton Safety Ladder Co 2337 Gilbert Ave Cincinnati 6 Ohio

Dayton Sure-Grip & Shore Co 504 Kercher St Miamisburg Ohio

Dearborn Glass Co 6600 S Harlem Ave Bedford Park Ill

Dearborn Stove Co 1700 W Commerce St Dallas Tex

Decatur Pump Co 2750 Nelson Pk Rd Decatur Ill

Decro-Wall Corp 21 Saw Mill River Rd Yonkers NY

Dee Clay Prod Co Inc Bloomingdale Ind

Deer Park Pine Industry Inc Deer Park Wash

Delco Appliance Div General Motors PO Box 230 Rochester 1 NY

Del-Mar Cabinet Co Inc 2865 Gordon Rd S W Atlanta Ga

Delta Co 333 West 24 Pl Chicago Ill

Delta Faucet Corp 12825 Ford Rd Dearborn Mich

Deluxe Saw & Tool Co 510 E Main St Louisville Ky

Del Val Mfg Co 708 S Third St Philadelphia Pa

Deming Co 563 Broadway Salem Ohio

Dempster Mill Mfg Co 711 South Sixth St Beatrice Neb

Deniston Co 4856 S Western Ave Chicago 9 Ill

Dennis W J & Co 4444 Irving Park Rd Chicago 41 Ill

Design Technics 4 E 52nd St New York 22 NY

Designware Industries Inc 3721 50th Ave N Minneapolis Minn

Desmond Bros Paint Co 1526 W 228 St Torrance Cal

Desmond-Stephan Mfg Co 425 S Walnut Urbana Ohio

DeSoto Hardware Flooring Co 977 Sledge Ave Memphis Tenn

Detroit Hardware Mfg Co 27300 Groesbeck Hwy Roseville Mich

Deuse E W Co Chester Conn

DeVac Inc 5901 Wayzata Blvd Minneapolis Minn

Devices Div of Miracle Adhesives Corp 250 Pettit Ave Bellmore LI NY

Devilbiss Co 300 Phillips Ave Toledo 1 Ohio

Devoe & Raynolds Co Inc PO Box 1863 Louisville Ky

Dexter Fairfield Iowa

DeWalt Div AMF Fountain Ave Lancaster Pa

Dewey & Almy Chemical Div W R Grace & Co 62 Whittemore Ave Cambridge 40 Mass

Dewey Portland Cement Co 4646 Roanoke Pkwy Kansas City 12 Mo

Dexter Lock Div Dexter Industries 1609 Madison S E Grand Rapids 2 Mich

Diamond Expansion Bolt Co Inc 500 North Ave Garwood NJ

Diamond Lumber Co 323 Pittock Block Portland Ore

Diamond T Motor Truck Co 4401 W 26 St Chicago 23 Ill

Dick A B Co 5700 W Touhy Chicago 48 Ill

Dick Brothers Inc Third & Buttonwood Sts Reading Pa

Dicks Armstrong Pontius Inc 5300 Huberville Ave Dayton Ohio

Dieboid Inc 818 Mulberry Rd S E Canton 2 Ohio

Diehl Mfg Co 1185 Finderne Ave Somerville NJ

Dierks Forests Inc 810 Whittington Ave Hot Springs Ark

Dietz R E Co 225 Wilkinson St Syracuse 1 NY

Dietzgen Eugene Co 2425 N Sheffield Chicago 14 Ill

Dina-Pak Corp PO Box 488 Irving Tex

Disston Div H K Porter Co Inc Unruh & Milnor Sts Philadelphia 35 Pa

Division Lead Co 7742 W 61 Pl Summit Ill

Dixie Products Inc PO Box 475 Cleveland Tenn

Dixie Radiant Electric Heat Corp 66 11th St N E Atlanta 9 Ga

Dixon Joseph Crucible Co 167 Wayne St Jersey City 3 NJ

Dodge Cork Co Inc Laurel & Manor Sts Lancaster Pa

Dodge Division 7900 Joseph Campau Detroit 31 Mich

Dodge F W Corp 119 W 40 St New York 18 NY

Dodson Mfg Co Inc 1463 Barwise Wichita Kan

Donley Brothers Co 13910 Miles Ave Cleveland 5 Ohio

Donnelly-Kelley Glass Co 49 W Third St Holland Mich

Dooroscope Co 32 Union Square New York 3 NY

Dormalux Co Inc 50 Mechanic Buffalo 2 NY

Dormeyer Co Kingsbury St Chicago Ill

Dor-O-Matic Div Republic Industries Inc 7350 W Wilson Ave Chicago Ill

Dorr-Oliver Havemeyer Lane Stamford Conn

Dosch Mfg Co Delaware County Thornton Pa

Dotmar Industries Inc 502 Hanselman Bldg Kalamazoo Mich

Douglas Crestlyn International Inc 3521 V St N E Washington 18 DC

Douglas Fir Plywood Co PO Box 215 Coquille Ore

Douglas & Sturgess 475 Bryant St San Francisco Cal

Douglass Mfg Corp 1482 N Fourth St San Jose 12 Cal

Dow Chemical Co 1000 Main St Midland Mich

Dowagiac Steel Furnace Co 109 Beeson St Dowagiac Mich

Drain Plywood Co PO Box 98 Drain Ore

Dravo Corp Neville Island Pittsburgh 25 Pa

Drayson-Hanson Div Natl US Radiator Corp 3301 Medford St Los Angeles 63 Cal

Dremel Mfg Co 2420 18th St Racine Wisc

Drott Mfg Corp 3126 S 27 St Milwaukee 15 Wisc

Du-All Scaffold Bracket Co 383 S Third St Columbus 15 Ohio

Dubuque Products Inc 310 Allen St Dyersville Iowa

Ductless Hood Co Inc 601 Plandome Rd Manhasset NY

Dukane Corp St Charles Ill

Dulaney Plywood Corp 1440 Commonwealth Blvd Louisville Ky

Dunham-Bush Inc 179 South St West Hartford 10 Conn

Dunkirk Radiator Corp 85 Middle Rd Dunkirk NY

Dun & Bradstreet Inc 99 Church St New York 8 NY

Dunn W E Co 415 W 23 St Holland Mich

Duo-Safety Ladder Corp 513 W Ninth Ave Oshkosh Wisc

DuPont de Nemours & Co Inc E I 1007 Market St Wilmington 98 Del

Durable Fir Lumber & Plywood Co Menlo Park Cal

Duraflex Co 3500 N W 52 St Miami Fla

Durail Products Co Rockville Md

Dura-Vent Corp 1400 W Ormsby Ave Louisville 10 Ky

Durell Products Inc 3600 Airport Way Seattle 4 Wash

Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn

Duro Metal Products Co 2651 N Kildare Ave Chicago 39 Ill

Duronso Bros Shake Mill 4426 Alice St Bellingham Wash

Dur O Wall Div Cedar Rapids Block Co 650 Twelfth Ave S W Cedar Rapids Iowa

Dwyer Products Corp Calumet & Holiday Michigan City Ind

E

E G Building Fasteners Corp 101 Park Ave New York 17 NY

Eagle Electric Mfg Co 23-10 Bridge Plaza S Long Island City NY

Eagle-Picher Co American Bldg Cincinnati 1 Ohio

Eagle Rule Mfg Corp 505 Hunts Point Ave New York 59 NY

Earle Hardware Mfg Co Box 363 Pittston Pa

Earle Kitchen Unit Co 116 E 63 St New York 21 NY

Eastern Machine Prods Co 1601 Wicomico St Baltimore 30 Md

Earth Equip Corp 1409 Santa Fe Los Angeles Cal

Easy Laundry Appliances Div Murray Corp of America 919 N Michigan Ave Chicago 11 Ill

Eclipse Plastics Industries PO Box 430 Sarasota Fla

Economy Forms 4301 E 14 St Des Moines Iowa

EdCO Products Inc Polk Ave Hopkins Minn

Edwards Co Inc Post Hill Rd Norwalk Conn

Edwards Engineering Corp 101 Alexander Ave Pompton Plains NJ

Efron Theodore Mfg Co 7519 S Greenwood Ave Chicago 19 Ill

Egry Register Co 429 E Monument Dayton 2 Ohio

Elmco Corp 654 S Fourth W St Salt Lake City Utah

Ejay Mfg Co 124 Boyd St Winsted Conn

Ekco Prods Co Bedford Canton Ohio

Ekco Products Co Ekco-Autoyre Div 1949 N Cicero Ave Chicago 39 Ill

Ekstrom Carlson & Co 1417 Railroad Ave Rockford Ill

Elastic Stop Nut Corp of America 2330 Vauxhall Rd Union NJ

Elastizell Corp of America 158 Fletcher St Alpena Mich

Electra Protection Co Inc 127 N Lake Ave Albany 6 NY

Electrend Products Corp Box 110 St Joseph Mich

Electro Prods Mfg Co 8310 N E Hwy 99 Vancouver Wash

Elecromode Div Commercial Controls PO Box 1052 Rochester NY

Elgin Softener Corp 236 N Grove Ave Elgin Ill

Elgin-Standard Brick Mfg Co Box 546 Elgin Tex

Eliason Tool Co 6944 Pillsbury Ave Minneapolis Minn

Eljer Div Murray Corp of America 3 Gateway Center Pittsburgh 22 Pa

Elkay Mfg Co 1874 S 54 Ave Chicago 50 Ill

Elliott Addressing Machine Co 143 Albany St Cambridge 39 Mass

Elliott Bay Mill Co 600 W Spokane St Seattle 4 Wash

Elliott Paint & Varnish Co 4523 Fifth Ave Chicago 24 Ill

Embassy Steel Prods Inc 890 Stanley Ave Brooklyn 8 NY

Emco Cement Prods Inc Birdsboro Pa

Emerson Electric Mfg Co 8100 Florissant Ave St Louis 21 Mo

Emerson-Imperial Lighting Co Box 427 Latrobe Pa

Emerson-Pryne Co 140 N Towne Co Pomona Cal

Emerson Radio & Phone Corp 14 & Coles Sts Jersey City NJ

Empire Level Mfg Co 10930 W Potter Rd Milwaukee 13 Wisc

Empire Stone Co PO Box 77 Bloomington Ind

Empire Stove Co 918 Freeburg Ave Belleville Ill

Engineered Products Co 129 N Grand Traverse St Flint 3 Mich

Engis Equipment Co 431 S Dearborn St Chicago 5 Ill

Erdle Perforating Co Inc 171 York St Rochester NY

Erie City Iron Works 1420 East Ave Erie Pa

E/S Products Inc 642 Fayette Ave Mamaroneck NY

Eling Window 324 Wooster Rd N Barberton Ohio

Evans Brick Co 23 Newport Ave Uhrichsville Ohio

Evans Products Co 13101 Eckles Rd Plymouth Mich

Evans Products Co 209 Crees Bldg Corvallis Ore

Evans Rule Co 400-416 Trumbull Elizabeth NJ

Evererete Corp 424 W 42 St New York 18 NY

Eveready Briksaw Co 1104 Union Ave Kansas City Mo

Evergreen States Forest Products 252 Broadway Tacoma Wash

Everite Pump & Mfg Co Inc W Roseville Rd Lancaster Pa

Everwarm Inc 3600 Pleasant Ridge Rd Knoxville Tenn

Exchange Sawmills Sales Co 928 Grand Ave Kansas City 6 Mo

Executone Inc 415 Lexington Ave New York 17 NY

Extension Drawer Support Co 2319 W Washington Los Angeles 18 Cal

E-Z Set Windows Inc Box 13096 San Diego Cal

EZ-Way Sales Inc Box 300 St Paul Park Minn

F

Fabricon Co 743 N Snelling Ave St Paul 4 Minn

Fabricon Prods 6430 E Slauson Los Angeles Cal

Fabrikona Inc East Taunton Mass

Fabrow Mfg Inc 7208 Douglas Rd Toledo 13 Ohio

Fair D L Lumber Co Box 309 Louisville Miss

Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill

Fanon Electronic Industries Inc 98 Berriman St Brooklyn 8 NY

Farley & Loetscher Mfg Co Seventh & White Sts Dubuque Iowa

Farwell Metal Fabricating 111 Fairfield Ave St Paul 7 Minn

Fasco Industries Inc 255 N Union St Rochester 2 NY

Fastener Corp 3702 River Rd Franklin Park Ill

Fastway Fasteners Inc 1676 E 28 St Lorain Ohio

Fedders Corp Lalor & Hancock Sts Trenton NJ

Federal Boiler Co Inc Granite & West Sts Midland Park NJ

Federal Hardware Prods Inc 3456 N Washington Ave Minneapolis 12 Minn

Federal Pacific Electric Co 50 Paris St Newark 1 NJ

Federal Sign & Signal Corp 13500 S Western Ave Blue Island Ill

Federal Windows Mfg Co Inc 1319 Lincoln Ave Waukesha Wisc

Fenestra Inc 2250 E Grand Blvd Detroit 11 Mich

Fentron Industries Inc 2801 Market St Seattle 7 Wash

Ferguson Harry J Co 141 West Ave Jenkintown Pa

Fiat Metal Mfg Co 9301 W Belmont Ave Franklin Pk Ill

Fiberboard Paper Prods Inc 475 Brannan St San Francisco Cal

Fiberesin Plastics Co Oconomowoc Wisc

Flion Plastics Corp 333 N Van Ness Ave Hawthorne Cal

Findley F G Co 3033 W Pemberton Milwaukee Wisc

Finger Lakes Stone Co Inc Ellis Hollow Rd Box 401 Ithaca NY

Firestone Plastics Co 45 Rockefeller Plaza New York 20 NY

Firestone Tire & Rubber Co Porter Rd Pottstown Pa

Firpine Products Co PO Box 476 Oswego Ore

Fitzgerald M J Co 2815 W Vliet St Milwaukee Wisc

Fitzgibbons Boiler Co Inc 101 Park Ave New York 17 NY

Flash Bridge Co 783 S Washington Ave Holland Mich

Fleco Corp PO Box 2370 Jacksonville Fla

Fleet of America Inc 2015 Walden Ave Buffalo 25 NY

Fleming & Sons Inc 1120 E Clarendon Dallas 8 Tex

Fletcher-Terry Co 437 South St Forestville Conn

Flexicore Co Inc 1932 E Monument Ave Dayton 1 Ohio

Flexrock Co 3601 Filbert St Philadelphia Pa

Flinchbaugh-Murray Corp 66 N Murray Pl York Pa

Flintkote Co Box 2218 Los Angeles Cal

Flint A W Co 85 Lloyd St New Haven 6 Conn

Flint & Walling Mfg Co Inc 95 Oak St Kendallville Ind

Flintkote Co 30 Rockefeller Plaza New York 20 NY

Float-Away Door Co 1173 Zonolite Rd N E Atlanta 6 Ga

Flush Wall Radio Co 1012 Cleveland St Clearwater Fla

Flynn Michael Mfg Co 700 E Godfrey Ave Philadelphia 24 Pa

Foley Mfg Co 3300 N E Fifth St Minneapolis Minn

Follansbee Steel Corp Follansbee W Va

Fond du Lac Stone Co Inc Hwy 175 S Box 148 Fond du Lac Wisc

Forbes Steel Corp Box 329 Cannonsburg Pa

Force-Flo Inc PO Box 2442 Cleveland Ohio

Ford Motor Co Dearborn Mich

Ford Motor Co Tractor & Implement Div 2500 E Maple Rd Birmingham Mich

Fordyce Lumber Co Fordyce Ark

Forest Fiber Products Co Box 68 A B Forest Grove Ore

Forks Shingle Co Inc Forks Wash

Form Co 1916 13th St Rockford Ill

Forman-Ford & Co 111 S Second St Minneapolis Minn

Formetal Inc 109 W Water St Oak Harbor Ohio

Formica Corp 4611 Spring Grove Ave Cincinnati Ohio

Forrers Div Spray-O-Bond Co 2225 N Humboldt Milwaukee Wisc

Forsberg Mfg Co 125 Seaview Ave Bridgeport 1 Conn

Fort Vancouver Plywood Co Vancouver Wash

Fortex Industries Inc 44 Whitehall St New York 4 NY

Forty-Eight Insulations Inc Thomas & McGee Sts Aurora Ill

Fourco Glass Co Union Natl Bank Bldg Clarksburg W Va

Franklin Plastics Inc 315 Grant St Franklin Pa

Frantz Mfg Co 301 W Third St Sterling Ill

Freeman Doorjack Co 709 W Central Ave Bentonville Ark

Fresh'Nd-Aire Co Div Cory Corp 3200 W Peterson Ave Chicago 45 Ill

Frick-Gallagher Mfg Co Inc S Michigan Ave Wellston Ohio

Friden Inc 2350 Washington San Leandro Cal

Frigidaire Div General Motors Corp 300 Taylor St Dayton 1 Ohio

Frink Corp 211 63 St Brooklyn NY

Frost Forest Products Div Olin Mathieson Chemical Corp PO Box 1125 Shreveport La

Fry Lloyd Roofing Co 5818 Archer Rd Summit Ill

Fuller H B Co 255 Eagle St St Paul 2 Minn

Fuller Mfg Co 2 R R Dept AB4 Newhall Iowa

Fuller W P & Co 301 Mission St San Francisco Cal

Fulton Cotton Mills 170 Boulevard S E Atlanta Ga

Fulton Glass Co Box 348 Hartford City Ind

G

Gaffers & Sattler 8111 W Beverly Blvd Los Angeles 48 Cal

Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich

Galion Allsteel Body Co 605 S Market St Galion Ohio

Galloway Lumber Co Clarksville Ark

Gar Wood Industries Inc Wayne Mich

Gar-Bro Mfg Co 2415 E Washington Blvd Los Angeles 21 Cal

Gardner-Denver Co Front St Quincy Ill

Garlinghouse L F Co Inc Garlinghouse Bldg Topeka Kan

Gate City Sash & Door Co 15 S W Third Ave Ft Lauderdale Fla

Gates Mfg Co Inc 415 W 11 St Indianapolis Ind

Gates & Sons Inc 80 S Galapago St Denver 23 Colo

Gee Vee Line Oaks Pa

Gelvatex Paint Div Shawinigan Resins Corp 901 E Vermont St Anaheim Cal

General Air Conditioning Corp 4542 E Dunham St Los Angeles Cal

General Automatic Products Corp 2300 Sinclair Lane Baltimore 13 Md

General Bathroom Products Corp 1809 W Thomas St Chicago 22 Ill

General Bronze Corp Stewart Ave Garden City LI NY

General Cable Corp 730 Third Ave New York 17 NY

General Chrome Inc Bridgman Mich

General Clay Products Co 1445 W Goodale Blvd Columbus 8 Ohio

General Concrete Products Inc 15025 Oxnard Van Nuys Cal

General Controls Co 801 Allen Ave Glendale 1 Cal

General Door Co 133 Oak St West Bend Wisc

General Doors Corp Radcliffe & Monroe Bristol Pa

General Electric Co Air Conditioning Dept Tyler Tex

General Electric Co Apparatus Sales 1 River Rd Schenectady 5 NY

General Electric Co Appliance & Television Div Appliance Park Louisville 1 Ky

General Electric Co Circuit Prot Devices 41 Woodford Ave Plainville Conn

General Electric Co Construction Materials Sales Operation 1285 Boston Ave Bridgeport Conn

General Electric Co Laminated Products Dept Coshocton Ohio

General Electric Co Wiring Device Dept 95 Hathaway St Providence 7 RI

General Engines Co Inc Route 130 Thorofare NJ

General Gas Light Co 202 North Park St Kalamazoo Mich

General Hardware Mfg Co Inc 80 White St New York 13 NY

General Metalcraft Inc Olympia Div PO Box 57 Olympia Wash

General Oak Flooring Co Box 249 Nacogdoches Tex

General Plastics Corp 1400 N Washington Marion Ind

General Plywood Corp 3131 W Market Louisville 12 Ky

General Portland Cement Co 111 W Monroe St Chicago 3 Ill

General Products Co Box 661 Fredericksburg Va

General Tire & Rubber Co Jeanette Pa

General Tire & Rubber Co Building Materials Div 1708 Englewood Ave Akron Ohio

General Water Heater Corp 1 E Magnolia Blvd Burbank Cal

General Window Co 275 E Tenth Ave Hialeah Fla

Geneva Modern Kitchens 201 S Eighth St Geneva Ill

Gensco Tools 1830 N Kostner Ave Chicago 39 Ill

Geo-Optic Co 149 Church St New York NY

George F C Machine Co 100 S Westmoreland Orlando Fla

Georgia Marble Co Tate Ga

Georgia Pacific Corp Equitable Bldg Portland 1 Ore

Gering Plastics Div of Studebaker-Packard Corp N Seventh & Monroe Sts Kenilworth NJ

Gerber Plumbing Fixtures Corp 232 N Clark St Chicago 1 Ill

Gerrard A J & Co 1950 Hawthorne Sq Melrose Park Ill

Gerwin Industries Inc 214 Spring Michigan City Ind

Getman Brothers Box 71 South Haven Mich

Getty H S & Co Inc 3348 N 10 St Philadelphia 40 Pa

Gibson Refrigerator Co Div Hupp Corp 515-615 W Williams Greenville Mich

Gilbert & Barker Mfg Co Cold Springs Ave W Springfield Mass

Gilbert & Bennett Mfg Co 600 Miller Ave Georgetown Conn

Giles & Kendall PO Box 961 Huntsville Ala

Gilman Bros Co 100 Main St Gilman Conn

Gilson Brothers Co Box 245 Fredonia Wisc

Giustina Brothers Lumber Co Box 980 Eugene Ore

Gladding Bros Mfg Co Third & Keyes San Jose 3 Cal

Gladding McBean & Co 2901 Los Feliz Blvd Los Angeles Cal

Glamour Glass Wal-Dor Corp 5917 W Lawrence Ave Chicago 30 Ill

Glasolier Co 307 Sixth St Braddock Pa

Glass Shower Door Co Inc 105 W Wacker Chicago Ill

Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio

Glide Windows Inc 7463 Varna Ave N Hollywood Cal

Glissade Inc 1437 Bushwick Ave Brooklyn 7 NY

Globe Paint Works Inc PO Box 36 Williamsport 5 Pa

Globe Roofing Products Co Inc 2207 Schrage Whiting Ind

Goder Joseph Inc 4241 N Honore St Chicago 13 Ill

Goldblatt Tool Co 1942 Walnut St Kansas City Mo

Goldsmith Metal Lath Co 4501 Chickering Cincinnati Ohio

Goodall Rubber Co Inc 427 Whitehead Rd Trenton NJ

Goodman Lumber Div Calumet & Hecla Inc Goodman Wisc

Goodrich B F Co Flooring Products 36 Nichols Ave Watertown 72 Mass

Goodrich B F Industrial Products Co Marietta Ohio

Goodwin of Calif Inc 1075 Second St Berkeley 10 Cal

Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio

Gordon Mfg Co Farmington Conn

Gorman-Rupp Co 305 Bowman St Mansfield Ohio

Goshen Churn & Ladder Inc 1930 Estes Blvd Goshen 4 Ind

Goshen Sash & Door Co East Purl Goshen Ind

Goss J C Co 2941 E Jefferson Detroit 7 Mich

Gougler C L Machine Co Lock Div Kent Ohio

Goulds Pumps Inc 240 Fall St Seneca Falls NY

Grabler Mfg Co 6565 Broadway Cleveland 5 Ohio

Graham Door Co 6901 Carnegie Ave Cleveland 3 Ohio

Graham John H & Co Inc 105 Duane St New York 7 NY

Granco Steel Prods Co 6506 Broadway St Louis Mo

Grand Haven Stamped Products Co Griffin & Madison St Grand Haven Mich

Grand Rapids Brass Co 420 W 50 St SW Grand Rapids Mich

Grand Rapids Gypsum Co PO Box 74 Grand Rapids Mich

Grand Rapids Hardware Co 560 Eleventh St NW Grand Rapids 2 Mich

Grand Specialties Co 3101 W Grand Ave Chicago 22 Ill

Granite City Steel Co 20th & Madison Granite City Ill

Grant Pulley & Hardware Corp High St West Nyack NY

Gray & Dudley Co 2300 Clifton Rd Nashville Tenn

Gray Lumber & Shingle Co Box 812 Seattle Wash

Graybeal C R & Sons PO Box 8 Roan Mountain Tenn

Grays River Shake Co PO Box 776 Grays River Wash

Graystone Inc 134 Nickerson St Seattle 9 Wash

Great Lakes Carbon Corp Perlite Dept 612 S Flower Los Angeles 17 Cal

Great Northern Mfg Corp 1056 N Wood St Chicago 22 Ill

Green A P Fire Brick Co 1108 E Breckenridge Mexico Mo

Greenlee Tool Co 2136 Twelfth St Rockford Ill

Gregg & Son Inc 25 Crown St Nashua NH

Griffin Mfg Co 1515 Cherry St Erie Pa

Griffin Wellpoint Corp 881 E 141 St New York NY

Griffith Lumber Co 1038 Sixth Ave Box 267 Huntington W Va

Grillcraft Co 477 E Seventh St St Paul 1 Minn

Grinding & Polishing Mach Corp 2530 Winthrop Ave Indianapolis 5 Ind

Grinnell Sash & Door Co Marion Ill

Grissom-Rakestraw Lumber Co Burnside Ky

Grote Mfg Co Lafayette & Grandview Bellevue Ky

Gustin-Bacon Mfg Co 291 W 10 St Kansas City 5 Mo

Gyro Brass Mfg Corp 51 Urban Ave Westbury LI NY

Gypsum Ceiling Jack Co PO Box 201 Cedar Rapids Iowa

H

H-Brace Inc 3930 NW 25 St Miami 42 Fla

H & M Cabinet Service 802 E Fifth Auburn Ind

H-P Products Inc 510 W Broad St Louisville Ohio

Habitant Fence Inc Bay City 18 Mich

Hachmeister-Inc PO Box 357 Pittsburgh 30 Pa

Hager C & Sons Hinge Mfg Co 139 Victor St St Louis 4 Mo

Hall Level & Mfg Works 1119 E Fourth St Austin Tex

Hall-Mack Co 1380 W Washington Los Angeles 7 Cal

Halstead & Mitchell Bessemer Bldg Pittsburgh 22 Pa

Hamilton Mfg Co 1316 18th St Two Rivers Wisc

Hamlin Prods Inc PO Box 2016 1000 North St Little Rock Ark

Hanchett Mfg Co 906 N State St Big Rapids Mich

Handley-Brown Co 2101 Brooklyn Rd Jackson Mich

Handy Things Mfg Co N Rowe St Ludington Mich

Hanley Co 1 Gateway Center Pittsburgh 22 Pa

Hanover Wire Cloth Div Cont Copper & Steel East Middle St Hanover Pa

Harbor Plywood Corp Box 940 Aberdeen Wash

Hardel Mutual Plywood Corp PO Box 365 Olympia Wash

Hardware Products Inc 806-812 126th St Reading Pa

Hardwick Stove Co 240 Edwards St Cleveland Tenn

Hardwood Corp of America PO Box 1091 Asheville NC

Hardwood Products Corp PO Box 191 Neenah Wisc

Harloc Products Corp 680 Campbell Ave West Haven Conn

Harris Inc 200 E Long St Columbus Ohio

Harris L C Cedar Ltd Box 725 Abbotsford BC

Harris Hardwood Co Inc Box 2320 Roanoke Va

Harris Mfg 434 E Walnut St Johnson City Tenn

Harrisville Brick Co PO Box 447 Ogden Utah

Hart & Cooley Mfg Co 500 E Eighth St Holland Mich

Hartford Clamp Co 466 Park Ave E Hartford 8 Conn

Hartglass Corp 1302 Expressway Dr Toledo 8 Ohio

Hartmeister Mfg Inc 950 Eleventh St Denver 4 Colo

Harvey Aluminum 19200 S Western Torrance Cal

Haskelite Mfg Corp 701 Ann St NW Grand Rapids Mich

Hassall John Inc PO Box 2184 Westbury NY

Hassell & Parkes Inc Trout La

Hastings Aluminum Products Inc 429 S Michigan Hastings Mich

Hasty-Bake Mfg Co Inc 616 S Lewis St Tulsa Okla

Hattiesburg Brick Works Hattiesburg Miss

Hauserman E F Co 6800 Grant Ave Cleveland 5 Ohio

Haven-Busch Co 3443 Chicago Dr SW Grandville Mich

Hawkeye Sales Co 109 Fifth St SW Cedar Rapids Iowa

Haws Drinking Faucet Co Fourth & Page Sts Berkeley 10 Cal

Hayes Adhesives Co Inc 4159 Union Blvd St Louis 15 Md

Haynes O E & Sons Inc Box 284 Eatonville Wash

Hearthaire Conditioning Co 3126 Scarborough Cleveland Ohio

Heatmore Inc 651-5 Driggs Ave Brooklyn 11 NY

Hedges M M Mfg Co Inc 700 E Main St Chattanooga Tenn

Heil-Quaker Corp 647 Thompson Lane Nashville 4 Tenn

Heilig Bros Co N Ogontz St & PRR York Pa

Heinemann Saw Corp 2017 Navarre Rd SW Canton 6 Ohio

Heinley Mastercraft Products 2211 Michigan Ave Santa Monica Cal

Heller Tool Co Heller Dr Newcomerstown Ohio

Heller W C & Co 1050 Bryant St Montpelier Ohio

Hendrick Mfg Co Dundaff St Carbondale Pa

Henry Furance Co Medina Ohio

Henry Mfg Co Inc 1700 N Clay St PO Box 521 Topeka Kan

Henry W W Co 5731 Bickett St Huntington Park Cal

Hercules Fastener Co 2720 N Clybourn Ave Chicago 14 Ill

Hercules-Galion Products Inc Galion Ohio

Hess Co 1855 S 54 Ave Chicago 50 Ill

Hess Mfg Co Quincy Pa

Hettrick W E & Son Co 3333 Maple Station D Toledo 8 Ohio

Hewitt-Robins Inc 666 Glenbrook Rr Stamford Conn

Hico Corp of America 120 Broadway New York 5 NY

Higbie Mfg Co Avon Tube Div Third & Water Sts Rochester Mich

Higgins Industries Inc PO Box 8169 New Orleans La

Hild Floor Machine Co Inc 1217 W Washington Chicago 7 Ill

Hillwood Mfg Co 21700 St Clair Ave Cleveland 17 Ohio

Hillyer-Deutsch-Edwards Inc Oakdale La

Hilti Rapid Fastening Systems Inc 73 Southfield Ave Stamford Conn

Hines Edward Lumber Co 200 S Michigan Ave Chicago 4 Ill

Hinge Butt Template 253 W Harriet St Altadena Cal

Hirsh S A Mfg Co 8051 N Central Pk Skokie Ill

Hobart Mfg Co 711 Pennsylvania Troy Ohio

Hoe R & Co Inc 910 E 138 St New York 54 NY

Hoffee Cedar Prods Rt 2 Bov 149-B Monroe Wash

Hoffman Specialty Mfg Corp 1700 W 10 St Indianapolis 7 Ind

Hoitsma Adjustable Scaffold Bracket Co 261-265 E 23 St Paterson 4 NJ

Holcomb & Hoke Mfg Co Inc 1545 Van Buren Indianapolis 7 Ind

Hollaender Mfg Co 3841 Spring Grove Cincinnati 23 Ohio

Holland Furnace Co Holland Mich

Holland Ladder & Mfg Co 13053 W 17 St Holland Mich

Holly-General Co Div Biegler Corp 875 S Arroyo Pkway Pasadena Cal

Hollyview Aluminum Rolling Glass Doors, Windows 13060 Saticoy N Hollywood Cal

Holms Mfg Co of Ohio 1340 Lake Shore Blvd Akron 1 Ohio

Holophane Co Inc 342 Madison Ave New York 17 NY

Holt Mfg Co 669 20th St Oakland 12 Cal

Holub Industries Inc 473 Elm St Sycamore Ill

Homasote Co Ferwood Rd Trenton NJ

Home Building Plan Service 2454 NE Sandy Blvd Portland 12 Ore

Home Comfort Co Box 68 Princeville Ill

Home Music Systems Inc 644 Madison St Memphis Tenn

Home Plan Book Co 1596 Selby Ave St Paul 4 Minn

Home Planners Inc 16310 Grand River Detroit 27 Mich

Homelite Div Textron Inc 67 Riverdale Ave Port Chester NY

Hood Bros 4336 Orchard St Philadelphia 24 Pa

Hood Mifflin B Co Daisy Tenn

Hoosier Tarpaulin & Canvas Goods Co PO Box 574 Indianapolis Ind

Hoover Bathroom Accessories Fowlerville Mich

Hope Brick Works PO Box 155 Hope Ark

Hopes Windows Inc 84 Hopkins Ave Jamestown NY

Hopkins Mfg Co Emporia Kan

Horizon Door Co 640 Paula St Glendale 1 Cal

Horn A C Companies Div Sun Chemical Corp 750 Third Ave New York 17 NY

Horner Flooring Co Dollar Bay Mich

Horton Mfg Co PO Box 747-B Goldthwaite Tex

Hosking John H Co 1704 Howland Ave Cincinnati Ohio

Hotpoint Div 5600 W Taylor St Chicago 44 Ill

Hotstream Heater Co 2363 E 69 St Cleveland 4 Ohio

Hough Frank Co 811 Sunnyside Ave Libertyville Ill

Hough Mfg Corp 1029 S Jackson St Janesville Wisc

Howard Mfg Co Kent Wash

Howell Mfg Co Morehall Rd Paoli Pa

Howes S M Inc 387 Oliver St Fall River Mass

Hubbell H L Mfg Co Zeeland Mich

Hubbell Harvey Inc State & Bostwick Bridgeport 5 Conn

Hudson H D Mfg Co 587-91 E Illinois Chicago 11 Ill

Hulbert Wm Mill Co PO Box 1111 Everett Wash

Humboldt Brick & Tile Co 910 New York St Humboldt Kan

Humphrey Products Inc 719 E Zimmerly PO Box 2868 Wichita 11 Kan

Humptulips Shingle Co Rt 1 Box 158 Humptulips Wash

Hunter Div-Robbins & Myers Inc 2500 Frisco Ave Memphis Tenn

Huntington Shingle Co Springfield Ore

Hurn Shingle Co Rt 1 Concrete Wash

Hussey C G & Co 2860 Second Ave Pittsburgh 19 Pa

Hutchinson R H & Co 2610 Sylvan Ave Dallas 12 Tex

Huther Brothers Saw Mfg Co Inc 1290 University Rochester 7 NY

Hyde-Murphy Co Murphy Bldg Ridgway Pa

Hyde Park Products Co Burch Ave & NWRR Cincinnati 8 Ohio

Hydrolevel 53 DeSoto Ave Ocean Springs Miss

Hydrotherm Inc Clinton Ave Northvale NJ

Hypro Engineering Inc 700 39th Ave NE Minneapolis 21 Minn

Hyster Co 2902-18 NE Clackamas St Portland 8 Ore

I

I-XL Furniture Co 410 N Main St Goshen Ind

Ida Products Co 1909 E Forest Ave Detroit Mich

Ideal Brass Works Inc 250 E Fifth St St Paul 1 Minn

Ideal Cement Co 500 Denver Natl Bldg Denver 2 Colo

Ideal Hauger Co 1292 E 53 St Cleveland 14 Ohio

Ideal Co Mfg Div Wm Cameron & Co 24th & Mary Sts Waco Tex

Ideal System Co 2437 W Pico Blvd Los Angeles 6 Cal

Ideal Vent Div Craig-Nevens 605 Summer St Abington Mass

ILG Electric Ventilating Co 2850 N Pulaski Rd Chicago 41 Ill

Illinois Brick Co 228 N LaSalle St Chicago Ill

Imperial Color Chemical & Paper Corp PO Box 231 Glens Falls NY

Incineration Div Bowser Inc 4209 Sycamore St Cairo Ill

Inclinator Products Co 633 Post Ave S Detroit Mich

Inclinator Co of America 2200 Paxton Blvd Harrisburg Pa

Independence Oak Flooring Co Independence La

Independent Lock Co 1959 Cleghorn Fitchburg Mass

Independent Lumber Co 19620 Nottingham Cleveland Ohio

Independent Nail & Packing Co Bridgewater Mass

Indiana Cash Drawer Co Shelbyville Ind

Indiana Limestone Co Inc 405 N I St Bedford Ind

Industrial Canvas Prods Corp 15-25 Flax St Delaware Ohio

Industrial Iron Works PO Box 4625 Portland 2 Ore

Infra Insulation Inc West Nyack NY

Ingersoll Prod Div Borg-Warner 1000 W 120 St Chicago Ill

Ingersoll-Rand Co 11 Broadway New York 4 NY

Ingram-Richardson Mfg Co 32 St Beaver Falls Pa

Inland Steel Co 30 W Monroe St Chicago 3 Ill

Inland Steel Products Co 4025 West Burnham Milwaukee 1 Wisc

In-Sink-Erator Mfg Co 1225 14th St Racine Wisc

Insta-matic Heater Co 89 Charles St Providence RI

Insto-Gas Corp 998 E Woodbridge Detroit Mich

Insulation Industries Inc 100 E 69 St Cincinnati 16 Ohio

Insulite Div Minnesota & Ontario Paper Co 500 Investors Bldg Minneapolis Minn

Insul-Wool Insulation Corp 121 N Dodge Wichita 12 Kan

International Business Machines Corp 590 Madison Ave New York 22 NY

International Chemical Co Inc 3140 S Canal St Chicago 16 Ill

International Fireproof Door Co 76 Lexington Ave Brooklyn 38 NY

International Harvester Co 180 N Michigan Chicago Ill

International Oil Burner Co 3800 Park Ave St Louis 10 Mo

International Paper Co Long-Bell Div 928 Grand Ave Kansas City 6 Mo

International Register Co 2620 W Washington Chicago Ill

International Steel Co 1321 Edgar St Evansville 7 Ind

International Swimming Pool Corp Federal Savings Bldg White Plains NY

Interstate Brick Co 3100 S 11 E Salt Lake City Utah

Ipik Door Co Inc Kenner La

Irmanton Products Co 70-70 80th St Glendale 27 NY

Iron Fireman Mfg Co 3170 W 106 St Cleveland 11 Ohio

Ironrite Inc 332 Cass Ave Mt Clemens Mich

Irvington Form & Tank Co 100 William St New York 38 NY

Irwin Auger Bit Co Wilmington Ohio

Ives H B Co 5 Artizan St New Haven 6 Conn

J

J M J Industries Inc PO Box 283 Belleville Ill

Jackson & Church Div York-Shipley Inc PO Box 349 York Pa

Jackson Mfg Co 2303 W Fairview Ave Montgomery Ala

Jackson Mfg Co Lochiel Rd Harrisburg Pa

Jackson Shake Co Moclips Wash

Jackson Vibrators Inc Jackson St Ludington Mich

Jacuzzi Bros Inc 5327 Jacuzzi Ave Richmond Cal

Jaeger Machine Co 550 W Spring St Columbus Ohio

James Mfg Co Inc 1024 W Sycamore Independence Kan

Janesville Cotton Mills 100 E 69 St Cincinnati 16 Ohio

Janitrol Heating & Air Conditioning Div Surface Combustion Corp 400 Dublin Ave Columbus 16 Ohio

Jasco Aluminum Products 31 Nassau Terminal Rd New Hyde Park NY

Jasper Wood Products Co Inc 13th & Leopold Sts Jasper Ind

Jay Co Div Leukart Mach Co Inc 2222 S Third St Columbus 7 Ohio

Jay Lighting Mfg Co Inc 25 Quincy St Brooklyn 38 NY

Jeffery Form Tie Co Marengo Ill

Jenkins Brick Co PO Box 91 Montgomery Ala

Jenkins Lumber & Mfg Co 4120 S First Ave Birmingham Ala

Jenssen Industries 165 S Mission Rd Los Angeles 33 Cal

Jerrold Electronics Corp 15th & Lehigh Sts Philadelphia Pa

Jet Tool Inc Box 547 Lemon Grove Cal

Jewel Paint & Varnish Co 345 N Western Ave Chicago 12 Ill

John Deere Industrial Div 1325 Third Ave Moline Ill

Johns-Manville Corp 22 E 40 St New York 16 NY

Johnson C S Co PO Box 71 Champaign Ill

Johnson & Johnson Shake Co Box 989 Castle Rock Wash

Johnson Plastics Corp Box 100 Chagrin Falls Ohio

Johnson's Wax 1525 Howe St Racine Wisc

Johnson S T Co 940 Arlington Ave Oakland 8 Cal

Jones & Brown Inc 330 Grant Bldg Pittsburgh 19 Pa

Jones Harold R PO Box 252 Eugene Ore

Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh Pa

Jones Industries Rt 1 Hwy 20 Boise Idaho

Jones Shutter Products 246 NW 29 St Miami Fla

Jordan Industries 3030 NW 75 St Miami Fla

Jones Superior Machine Co 2820 W Grand Ave Chicago 12 Ill

Josam Mfg Co Michigan City Ind

Junior-Pro Products Co 118 E Marceau St St Louis 11 Mo

K

Kaar Engineering Corp 2995 Middlefield Rd Palo Alto Cal

Kaiser Aluminum & Chemical Corp 1924 Broadway Oakland Cal

Kaiser Aluminum & Chemical Sales Inc 919 N Michigan Ave Chicago 11 Ill

Kaiser Gypsum Co Inc 1924 Broadway Oakland 12 Cal

Kaiser Mfg Inc 2019 Brook St Houston 26 Tex

Kaiser Metal Prods Inc Radcliffe & Monroe Bristol Pa

Kaiser Steel Corp 1924 Broadway Oakland 12 Cal

Kalamazoo Tank & Silo Co 508 Harrison St Kalamazoo Mich

Kane Mfg Corp PO Box 641 Kane Pa

Kant-Slam Door Check Co Box 228 Bloomfield Ind

Karelius Albert & Sons Inc 909 S Fremont Ave Alhambra Cal

Karyall Body Inc 8221 Clinton Rd Cleveland 9 Ohio

Katolight Corp Box 891 Mankato Minn

Kaul Clay Co Spring St PO Box 628 Toronto Ohio

Kaustine Furnace & Tank Co 1492 Washington Ave Perry NY

Kawneer Co 1105 N Front St Niles Mich

Kay-Tite Co 10 White St West Orange NJ

Keasbey & Mattison Co 1944 Mitchell St Ambler Pa

Kedman Co 233 S 5 West St Salt Lake City Utah

Kees F D Mfg Co 700 Park Ave Beatrice Neb

Kelco Div Wells Aluminum Corp North Liberty Ind

Kelley Machine Div Wiesner-Rapp Co Inc 285 Hinman Ave Buffalo 23 NY

Kelvinator Div American Motors Co 14250 Plymouth Rd Detroit 32 Mich

Kenco Manufacturing Co 5211 Telegraph Rd Los Angeles 22 Cal

Kenco Pump Division 1305 Oberlin Ave Lorain Ohio

Kendrick Brick & Tile Co 3235 S Boulevard Charlotte NC

Kennatrack Corp Sub Ekco Prods PO Box 677 Elkhart Ind

Kennebec Inc Owens St Bingham Me

Kennecott Copper Corp 161 E 42 St New York 17 NY

Kent Air Tool Co 711 Lake St Kent Ohio

Kent Co Inc 351 Canal St Rome NY

Kentile Inc 58 Second Ave Brooklyn 15 NY

Kentucky Flooring Co of Va Inc Orange Va

Kerner Incinerator Div 80 Fifth Ave New York 11 NY

Kesko Prods Inc PO Box 277 Bristol Ind

Kessler Products Co 4521 Lake Park Rd Youngstown Ohio

Ketcham G M Mfg Corp 70-70 80th St Glendale 27 NY

Kett Tool Co 5055 Madison Rd Cincinnati 27 Ohio

Keuffel & Esser Co 300 Adams St Hoboken NJ

Kewanee Mfg Co 1642 Burlington Ave Kewanee Ill

Keystone Alloys Co Mellon Natl Bank Bldg Latrobe Pa

Keystone Frame & Mfg Co PO Box 35 Spokane Wash

Keystone Mfg Co 23328 Sherwood Ave Warren Mich

Keystone-Standard Wire Cloth Co Factory St Hanover Pa

Keystone Steel & Wire Co 7000 S Adams Peoria 7 Ill

Kiefer International Products Co Div 240 Front Ave SW Grand Rapids Mich

Kimball Mfg Co 816 University Pl Evanston Ill

Kimberly-Clark Corp 128 N Commercial Neenah Wisc

Kimble Glass Co Sub Owens-Illinois PO Box 1035 Toledo 1 Ohio

King Lumber Industries Canton Miss

King Mfg Co 3146 W Chicago Ave Chicago Ill

King Refrigerator Corp 76-02 Woodhaven Blvd Glendale 27 NY

Kingsford Ornamental Bldg Prods PO Box 9536 Pittsburgh 23 Pa

Kingston Mills Inc Cartersville Ga

Kinkead Industries Inc 5860 N Pulaski Rd Chicago 30 Ill

Kinnear Mfg Co PO Box 598 Columbus Ohio

Kirk Plastics Co 170 E Jefferson Los Angeles Cal

Kirlin Co 3435 E Jefferson Detroit 7 Mich

Kitchen Kompact Inc 911 E 11th St Jeffersonville Ind

Kitchen Maid Corp 541 Snowden Andrews Ind

Kitcheneering Co of America 6618 E 37 St Kansas City 29 Mo

Klauer Mfg Co Ninth & Wash Sts Dubuque Ia

Klise Mfg Co 52 Cottage Grove SW Grand Rapids 2 Mich

Knape & Vogt Mfg Co 658 Richmond NW Grand Rapids 4 Mich

Knapp Brothers Mfg Co 9000 Shell Rd Cincinnati 36 Ohio

Knoll-Drake Products Inc Box 996 Austin Tex

Kochton Plywood & Veneer Co Inc 509 W Roosevelt Chicago 7 Ill

Koehring Co 3026 W Concordia Milwaukee Wisc

Kohler Co 44 High St Kohler Wisc

Koi-Master Corp 124 Walberg St Oregon Ill

Koolvent Metal Awning Corp of America 902 Arrott Bldg Pittsburgh 22 Pa

Koppers Co Inc Koppers Bldg Pittsburgh Pa

Koppers Co Inc Durethene Plant 7001 W 60 St Chicago 38 Ill

Kordite Corp Macedon NY

Kosmos Portland Cement Co 1529 Starks Bldg Louisville 2 Ky

Koven L O & Bro Inc Richboynton Rd Dover NJ

Kraus Walter S Co 48-02 43 St Woodside 77 NY

Kresky Mfg Co Inc Second & H Sts Petaluma Cal

Kresno-Stamm Mfg Co 400 Commercial Ave Palisades Pk NJ

Krieg Victor J Inc 611 Broadway New York 12 NY

Kritzer Radiant Coils Inc 325 N River St Batavia Ill

Kruger Mfg Co 1445 E Main St Owosso Mich

Kulin Co 3435 E Jefferson Detroit 7 Mich

Kwikset Div American Hardware Corp 516 E Santa Ana St Anaheim Cal

Kyanize Paints Inc Second & Boston Sts Everett 49 Mass

L

LCN Closers Inc 111 W Railroad Ave Princeton Ill

Laboratory Equip Corp Hilltop Rd St Joseph Mich

Labrie Mfg Co Inc 3525 NW 50th Miami Fla

Laclede Steel Co Arcade Bldg St Louis Mo

Lake Drive Products Co Inc PO Box 166 Edgerton Wisc

Lake Lytle Shingle Co Box 371 Manhattan Beach RS Rockaway Ore

Lake Shore Inc Lake Shore Engineering Div E Magnetic St Iron Mountain Mich

Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio

Lancaster Pump & Mfg Co Inc 1340 Manheim Pike PO Box 778 Lancaster Pa

Landers Segal Color Co 78 Delavan St Brooklyn 31 NY

Landon Inc 7240 Fulton Ave N Hollywood Cal

Lanebro Mfg Co 110 Main St W Poughkeepsie NY

Larsen Products Corp Box 5756F Bethesda Md

Larson Chas O Co PO Box 358 Sterling Ill

Larson Ladder Co 651 Martin Ave Santa Clara Cal

Lastik Paint Inc 203 Iroquois Bldg Pittsburgh 13 Pa

Lato Prods Co 909 New Boston Rd Texarkana Tex

Lau Blower Co 2001 Home Ave Dayton 7 Ohio

Lawler Automatic Controls Inc 453 N Macquesten Mt Vernon NY

Lawrence Brothers Inc Sterling Ill

Lawrence W W & Co 1124-32 W Carson Pittsburgh 19 Pa
Lawson F H Co 801 Evans St Cincinnati 4 Ohio
Lawyers Title Insurance Corp 3800 Cutshaw Ave Richmond Va
Le Roi Div Westinghouse Air Brake Co Milwaukee 1 Wisc
Leathers A H Mfg Co Box 29 Dickson Tenn
Leeds Edward & Co Lakeview LI NY
Leetonia Tool Co 142 Main St Leetonia Ohio
Legion Stainless Sink Corp 40 Ave & 21 St Long Island City NY
Lehigh Portland Cement Co 718 Hamilton St Allentown Pa
Lehman Co 1703 S Ironwood South Bend Ind
Lehman Sprayshield Co 3355 York Rd Philadelphia 40 Pa
Lehon Co 25th & Warren Bellwood Ill
Leigh Bldg Products Div Air Control Products Inc 1659 Bee St Dept 4 Coopersville Mich
Lenahan Aluminum Window Corp PO Box 6496 Jacksonville Fla
Lenawee Peerless Inc 1412 E Michigan St Adrian Mich
Lennox Industries Inc 200 S Twelfth Ave Marshalltown Iowa
Leonard R B Inc 3553 NW 50 St Miami Fla
LePage's Inc 144 Essex Ave Gloucester 41 Mass
Leslie Welding Co Inc 2937 W Carroll Ave Chicago Ill
LeTourneau-Westinghouse Co 2301 N Adams St Peoria Ill
Levelall 83 Webster St Rockland Mass
Leviton Mfg Co Inc 236 Greenpoint Ave Brooklyn 22 NY
Lewis J A Shingle Co Wheeler Ore
Lewis-Shepard Products Inc 1556 Walnut St Watertown 72 Mass
Libbey-Owens-Ford Glass Co 811 Madison Ave Toledo 3 Ohio
Lifetime Industries Inc 629 Bergman Ave Louisville 3 Ky
Lightolier Inc 346 Claremont Ave Jersey City NJ
Lightsey Bros Miley SC
Lilly David Advertising Cartoons Box 167 Long Beach 1 Cal
Lima Register Co 1790 N Cable Rd Lima Ohio
Lindemann A J & Hoverson Co 5119 District Blvd Los Angeles 22 Cal
Line Material Industries McGraw-Edison Co 700 W Michigan St Milwaukee Wisc
Link-Belt Speeder Corp 1201 Sixth St SW Cedar Rapids Iowa
Linn Plywood Corp Tenth & Hill Sts Albany Ore
Linseed Oil Products Co 1603 Talbert Ave Santa Ana Cal
Lippmann Engineering Works Inc 4603 W Mitchell St Milwaukee 14 Wisc
Liqui-Level Co Box 538 Redwood Dr Felton Cal
Litecraft Mfg Corp 545 Rodier Dr Glendale 1 Cal
Lithibar Co 345 W 14 St Holland Mich
Little Giant Prods Inc 1530 NE Adams St Peoria 3 Ill
Little H C Burner Co PO Box 60 San Rafael Cal
Lock-Joint Window Co 817 NW 61st Oklahoma City 18 Okla
Locke Mfg Co Ohio St Lodi Ohio
Locke Stove Co 114 W 11 St Kansas City 5 Mo
Lockhart Mfg Corp 6350 E Davison Ave Detroit 12 Mich
Lockport Mills Inc Lockport NY
Lockrey Co PO Box J Southampton NY
Lockwood Hardware Mfg Co 1960 Cleghorn St Fitchburg Mass
Logan Clay Prods Co Box 698 Logan Ohio
Logan Co 201 Cabel St Louisville 6 Ky
Logan-Long Co 6600 S Central Ave Chicago 38 Ill
Lone Star Cement Corp 100 Park Ave New York 17 NY
Longview Lime Corp Sub of Woodward Iron Co Woodward Ala
Longview Shake Co 2236 Cascade Way Longview Wash
Lookout Boiler & Mfg Co Mfrs Rd & Compress St Chattanooga Tenn
Loom Roof Corp of America PO Box 9536 Pittsburgh Pa
Lord & Burnham Div Burnham Corp Main St Irvington NY
Lorenz Prods Inc 4820 N Central Chicago Ill
Louden Machinery Co 2504 West Court Fairfield Iowa
Louisville Cement Co Second & Walnut Sts Louisville Ky
Louisville Ladder Co 1101 W Oak St Louisville Ky
Louver Mfg & Supply 3601 Woodale Ave Minneapolis Minn
Louv-R-Pak Inc 3629 E First St Ft Worth Tex
Lowe Bros 424 E Third St Dayton 2 Ohio
Loxit Systems Inc Greely & High Sts Monticello Ill
Loxcreen Co Inc PO Box 5133 Columbia SC
Lucas John & Co Inc 1617 Penna Blvd Philadelphia 3 Pa
Lucke William B Inc 814 Railroad Ave E Wilmette Ill
Ludlow Papers Inc 145 Rosemary St Needham Heights 94 Mass
Ludman Corp 14100 Biscayne Blvd N Miami Fla
Ludowici-Celadon Co 75 E Wacker Dr Chicago 1 Ill
Ludwig Mfg Co Inc 1405-16th St Racine Wisc
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Lumino Co 515 Madison Ave New York 22 NY
Luminous Ceilings Inc 3701 N Ravenswood Ave Chicago 13 Ill
Luria Engineering Co 511 Fifth Ave New York 17 NY
Lustrik Inc 3225 Frankford Ave Philadelphia Pa
Lustro Tile Mfg Co 1066 Home Ave Akron 10 Ohio
Lux Co Inc 315 W Franklin St Elkhart 4 Ind
Luxor Carpet Co 17 S Cherry St Akron 8 Ohio
Lyf-Alum Inc 930 Armour Rd Oconomowoc Wisc
Lynch Asbestos Co 2939 S Sunol Dr Los Angeles 23 Cal
Lyon Inc 1388 W Chicago Blvd Detroit Mich
Lyon Conklin & Co Inc Race & McComas St Baltimore 30 Md
Lyon Metal Products Inc 25 Montgomery St Aurora Ill

M

Mack Trucks Inc 1355 W Front St Plainfield NJ
Mackie Mill Co Star Rt Box 36 Aberdeen Wash
Macklanburg-Duncan Co PO Box 1197 Oklahoma City Okla
Maco Corp 1345 Henry St Huntington Ind
Macomber Inc 1925 Tenth Canton Ohio
Madison Glue Corp 200 W 34 St New York 1 NY
Magic Chef Cleveland Tenn
Maginniss Power Tool Co 154 Distl Ave Mansfield Ohio
Maguire Walter Co Inc 60 E 42 St New York NY
Mahon R C Co 6565 E Eight Mile Rd Detroit Mich
Majestic Co Inc 433 Erie St Huntington Ind
Major Industries Inc 505 N LaSalle St Chicago 10 Ill
Major Line Products Co Inc 120 Sixth Ave N Seattle Wash
Malibu Mfg Corp 1557 N Tyler Ave Elmonte Cal
Malta Mfg Co Malta Ohio
Manhattan Terrazzo Brass Strip PO Box 187 Norwalk Conn
Manitowoc Equip Works Manitowoc Wisc
Mankato Stone Co Mankato Minn
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div W Broadway Muskegon Mich
Mansfield Sanitary Inc Perrysville Ohio
Marchant Div Smith-Corona Marchant Inc 6701 San Pablo Ave Oakland 8 Cal
Marietta Paint & Color Co Green & Acme Sts Marietta Ohio
Markel Electric Prods Inc 151 Seneca St Buffalo NY
Markwell Mfg Co Inc 200 Hudson St New York 13 NY
Marlin Pool Equip Co 14600 Arminta Van Nuys Cal
Mar-Lin Timber Corp Winchester Ore
Marlow Pumps Div Bell & Gossett Co PO Box 200 Midland Park NJ
Marmet Corp PO Box 208 Wausau Wisc
Marmon-Herrington Co Inc 1545 W Washington Indianapolis 7 Ind
Marona Mill Co Darrington Wash
Marquette Cement Mfg Co 20 N Wacker Dr Chicago 6 Ill
Marsh Furniture Co High Point NC
Marsh Lumber Co Dover Ohio
Marsh Wall Products Inc 403 Main St Dover Ohio
Martin Bros Cont & Timber Prods Corp PO Box 698 Oakland Ore
Martin-Senour Co 2500 S Senour Ave Chicago Ill
Marvan Corp PO Box 219 W Hartford Conn
Marvel Equipment Co 1803 Bowen St Oshkosh Wisc
Marvel Metal Prods Co 2843 W 43 St Chicago 32 Ill
Marvin Mfg Co 3171 E 12 St Los Angeles 23 Cal
Masland C H & Sons Carlisle Pa
Masland Duraleather Co Amber & Willard St Philadelphia Pa
Mason City Brick & Tile 200 Brick & Tile Bldg Mason City Iowa
Masonite Corp 111 W Washington Chicago 2 Ill
Masonry Waterproofing Co Inc Box 501 Herndon Va
Massey-Ferguson Industrial Div 1009 S West St Wichita 15 Kan
Master Builders Co 7016 Euclid Ave Cleveland 3 Ohio
Master Hung Door Equip Co Franklin Apts Bldg Pottstown Pa
Master Lock Co 2600 N 32 St Milwaukee 45 Wisc
Master Mechanic Mfg Co PO Box 389 Burlington Wisc
Master Metal Strip Service Inc 1720 N Kilbourn Ave Chicago 39 Ill
Master Vibrator Co 1752 Stanley Ave Dayton Ohio
Master Woodworker Mfg Co Inc 401-411 E Fort St Detroit 26 Mich
Mastic Tile Div Ruberoid Co PO Box 128 Vails Gate NY
Mastro Plastics Corp 3040 Webster Ave Bronx NY
Mathes Co Div Glen Alden Corp 1529 E Broadway Ft Worth Tex
Mathews Conveyor Co 190 Tenth St Ellwood City Pa
Mattison Machine Works 545 Blackhawk Park Rockford Ill
Mauk Seattle Lumber Co PO Box 148 University Station Seattle 5 Wash
Maxon Construction Co Inc 2600 Far Hills Ave Dayton 9 Ohio
Mayes Bros Tool Mfg Co 104 Ashe St Johnson City Tenn
Mayes R & Son Level Mfg Co 300 Goldengate Detroit 3 Mich
Mayflower Air-Conditioners Inc E Seventh St at Duluth St Paul 6 Minn
Mayhew Steel Products Inc Sears St Shelburne Falls Mass
Maytag Co Newton Iowa
Maze W H Co 300 Church St Peru 3 Ill
McCabe Powers Body Co 5900 N Broadway St Louis 15 Mo

McCalls Magazine 230 Park Ave New York 17 NY

McDonald A Y Mfg Co Twelfth & Pine Sts Dubuque Iowa

McDonough Mfg Co 1530 Galloway Eau Claire Wisc

McGraw-Edison Co 5201 W 65 St Chicago 38 Ill

McGuffie Co 4832 Ridge Rd Cleveland 9 Ohio

McKee Door Co 85 Hankes Ave Aurora Ill

McKeown Bros Co 5303 S Keeler Ave Chicago 32 Ill

McKinney Mfg Co 1715 Liverpool St Pittsburgh 33 Pa

McLean Engineering Labs 70 Washington Rd Box 228 Princeton NJ

McMinnville Mfg Co S Chancery St McMinnville Tenn

McPherson Inc 4603 W Osborne Ave Tampa 3 Fla

McQuay Inc 1600 Broadway NE Minneapolis Minn

Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill

Meadow River Lumber Co Box 245 Rainelle W Va

Meadows W R Inc 2 Kimball Elgin Ill

Medford Veneer & Plywood Corp PO Box 507 Medford Ore

Medusa Portland Cement Co PO Box 5668 Cleveland 1 Ohio

Meier Electric & Machine Co Inc 3525 E Washington Indianapolis Ind

Meilink Steel Safe Co 1672 Oakwood Toledo Ohio

Memphis Hardwood Flooring Co 1591 Thomas St Memphis 7 Tenn

Menasha Sales Corp North Bend Ore

Mengel Co 4th & Broadway Louisville Ky

Mercoid Corp 4201 W Belmont Ave Chicago 41 Ill

Meridian Wood Prods Co Box 5 Meridian Miss

Merillat Woodworking Co 2075 W Beecher Rd Adrian Mich

Merit Products Inc 3691 Lenawee Ave Los Angeles Cal

Merwin Mfg Co 19th & German Erie Pa

Mesker Bros Iron Co 6002 Lindbergh Hazelwood Mo

Mesker George L Steel Corp 400 NW First St Evansville 8 Ind

Metal Crafters E Ave at 18th NE PO Box 830 Cedar Rapids Iowa

Metal Trims Inc PO Box 632 Jackson 1 Miss

Metalbestos Div Wm Wallace Co PO Box 137 Belmont Cal

Metalvent Corp 4020 N Port Washington Rd Milwaukee 12 Wisc

Met-Cro Specialties Co Inc PO Box 406 Portchester NY

Metropolitan Brick Inc 1017 Renkert Bldg Canton 2 Ohio

Metzgar Conveyor Co 413 Douglas NW Grand Rapids 4 Mich

Meyer Furnace Co 1300 S Washington Peoria Ill

Meyers Fred L Mfg Co 1176 Hooven Ave Hamilton Ohio

Miami Cabinet Div Philip Carey Mfg 1700 Grand Ave Middletown Ohio

Miami Metal Weatherstrip Co 164 NW 20 St Miami Fla

Miami Window Corp PO Box 48-877 International Airport Branch Miami 48 Fla

Michel & Pfeffer Iron Works Inc 212 Shaw Rd S San Francisco Cal

Michigan Ladder Co 12 E Forest Ave Ypsilanti Mich

Midcontinent Adhesive Co 70 Sunshine Dr Grove City Ohio

Midget Louver Co 6-8 Wall St Norwalk Conn

Midland Brick & Tile Co Chillicothe Mo

Midland Products Co Mahwah NJ

Mid-States Steel & Wire Co Crawfordsville Ind

Midwest Plywood Co 10123 Lyndon Ave Detroit 38 Mich

Midwest Wholesale Hardware Co 189 E Miller Ave Akron 1 Ohio

Mileo Specialties Inc 7100 E 15 Mile Rd Warren Mich

Miller Bros Co PO Box 540 Johnson City Tenn

Miller Co 99 Center St Meriden Conn

Miller Frank B Mfg Co 3216 Valhalla Dr Burbank Cal

Miller George E Lumber Co 1111 Equitable Bldg Portland 4 Ore

Miller Howard Clock Co Zeeland Mich

Miller Sliding Glass Door Co Inc 3216 Valhalla Dr Burbank Cal

Millers Falls Co 57 Wells St Greenfield Mass

Mills Co 960 Wayside Rd Cleveland 10 Ohio

Milwaukee Elec Tool Corp 5356 W State St Milwaukee Wisc

Milwaukee Faucets Inc 4250 N 124 St Milwaukee 22 Wisc

Milwaukee Plywood Co 1227 W Bruce St Milwaukee 4 Wisc

Milwaukee Stamping Co Bathe-Rite Div 900 N Kilpatrick Ave Chicago 51 Ill

Milwaukee Tool & Equipment Co 2773 S 29 St Milwaukee 46 Wisc

Minneapolis Honeywell Regulator 2753 S Fourth Ave Minneapolis 8 Minn

Minneapolis-Moline Co 130 Ninth Ave S Hopkins Minn

Minnesota Mining & Mfg Co 900 Bush Ave St Paul Minn

Minnesota Paints Inc 1101 Third St S Minneapolis Minn

Minwax Co Inc 11 W 42 St New York 36 NY

Miracle Adhesives Corp 250 Pettit Ave Bellmore LI NY

Miracle Hinge Co Monticello NY

Miraplas Tile Co 980 Parsons Ave Columbus 6 Ohio

Mirra-Cote Co Inc 140 Standard St El Segundo Cal

Mirro Chrome Co Inc 12 Fifth St Valley Stream NY

Mirro-Glo Cabinet Co 3131 W 49 Pl Chicago 32 Ill

Misceramic Tile PO Box 1070 Cleveland Miss

Mississippi Glass Co 88 Angelica St St Louis 7 Mo

Missoula White Pine Sash Co Scott & Stoddard Missoula Mont

Mitchel Rubber Prods Inc 2114 San Fernando Los Angeles 65 Cal

Mixermobile Manufacturers 8027 NE Killingsworth Portland 20 Ore

Mobile Paint Mfg Co PO Box 1686 Mobile Ala

Modern Specialties Co 4301 Ogden Ave Chicago 23 Ill

Modern Swimming Pool Co Inc 1 Holland Ave White Plains NY

Modernaire Corp 8400 Kinsman Rd Cleveland 4 Ohio

Modernwood Co PO Box 360 Clinton SC

Modine Mfg Co 1501 Dekoven Ave Racine Wisc

Modular Mechanical Components Inc 94 E College St Hillsdale Mich

Moen Faucet Div Standard Screw Co 377 Woodland Ave Elyria Ohio

Mohawk Flush Doors 212 W Ewing St South Bend Ind

Moleo Drilling Machines Inc 1100 20th St NW Washington DC

Molly Corp 504 Med Arts Bldg Reading Pa

Moloney Co 13125 Shaker Sq Cleveland 20 Ohio

Momar Industries 4176 Montrose Ave Chicago 41 Ill

Monarch Flooring Co Cuba Mo

Monarch Metal Weatherstrip Co 6333 Etzel Ave St Louis 33 Mo

Monarch Range Co 1510T Lake St Beaver Dam Wisc

Mondial United Corp 625 Madison Ave New York 22 NY

Monogram Industries Inc 825 S Front St Quincy Ill

Monostructure Inc Sarasota Bradenton Sarasota Fla

Monroe Co Inc 10703 Quebec Ave Cleveland 6 Ohio

Monsanto Chemical Co Plastics Div 100 Monsanto Ave Springfield Mass

Moore Goodloe E Inc 2811 N Vermilion St Danville Ill

Monsanto Chemical Co Organic Chemicals Div Lindbergh & Olive St Rd St Louis 66 Mo

Moore A E Co Inc Waupaca Wisc

Moore Benjamin & Co 511 Canal St New York 13 NY

Moore Business Forms Inc 900 Buffalo Ave Niagara Falls NY

Moore Pipe & Sprinkler Co 1220 W State St Jacksonville 1 Fla

Moorhead Brick & Tile Co Fifth Ave & 11 St St Joseph 41 Mo

Morgan Company 520 Oregon St Oshkosh Wisc

Morgan Machine Co 1230 University Ave Rochester NY

Morgan-Wightman Co 9910 Page Blvd St Louis 66 Mo

Morgen Mfg Co 117 W Third St Yankton SD

Morrison Co 125 W Melvina St Milwaukee Wisc

Morrison Steel Products Inc 601 Amherst St Buffalo 7 NY

Mortell J W Co 550 N Hobbie Ave Kankakee Ill

Morton Ceramic Tile Co Morton Ill

Mosaic Tile Co 1949 Pershing Ave Zanesville Ohio

Mosler Safe Co 320 Fifth Ave New York 1 NY

Mosley Electronics Inc 4610 N Lindbergh Blvd Bridgeton Mo

Motor Wheel Corp Duo-Therm Div East Saginaw St Lansing 3 Mich

Motorola Communications & Electronics Co 4501 W Augusta Blvd Chicago 51 Ill

Moulton Ladder Mfg Co 2-40 Harding St Somerville Mass

Mount Adams Shingle Co Randle Wash

Mt Baker Plywood Inc 2929 Roeder Ave Bellingham Wash

Mt Pleasant Shingle Co 1403 W Eighth Port Angeles Wash

Mt Vernon Furnace & Mfg Co PO Box 213 Mt Vernon Ill

Mower Lumber Co PO Box 2151 Charleston 28 W Va

Mueller Brass Co 1925 Lapeer Ave Port Huron Mich

Mueller Climatrol Div Worthington Corp 2605 W Oklahoma Box 401 Milwaukee 1 Wisc

Mulkey Sam Co Box 270 Lee Summit Mo

Muller Machinery Co Inc PO Box 248 Metuchen 4 NJ

Multnomah Plywood Corp 1500 SW Harbor Dr Portland 1 Ore

Muncie Gear Co PO Box 1192 Muncie Ind

Murphy Precast Inc PO Box 254 Hillsdale Mich

Murray Milton B 66 N Murray Pl York Pa

Murray Mfg Corp 1250 Atlantic Ave Brooklyn 16 NY

Murray Tile Co Inc Cloverport Ky

Music & Sound Inc 118 Leslie St Dallas Tex

Musicall Corp 4512 W Jefferson Blvd Los Angeles 16 Cal

Musson R C Rubber Co 1320 Archwood Ave Akron 6 Ohio

Mustee E L & Sons Inc 6911 Lorain Ave Cleveland 2 Ohio

Mutschler Bros 302 S Madison St Nappanee Ind

Mutual Fir Column Co PO Box 1342 Tacoma 1 Wash

Myers F E & Bros Co 424-34 Orange St Ashland Ohio

N

Nalle Plastics Inc 106-112 W Second St Austin 1 Tex

Nateo Corp 327 Fifth Ave Pittsburgh 22 Pa

National Aluminum Co 1133 Alum Creek Dr Columbus Ohio

National Casein Co 601 W 80 St Chicago 20 Ill

National Cash Register Co S Main & K Sts Dayton 9 Ohio

National Chemical & Mfg Co 3617 S May St Chicago 9 Ill

National-Detroit Inc 2810 Auburn Rockford Ill

National Electric Div H K Porter Co Inc Porter Bldg Pittsburgh 19 Pa

National Floor Prods Co Florence Ala

National Forest Prods Co Box 510 Jacksonville Tex

National Gas Equipment Co Inc Denison Tex

National Gypsum Co Gold Bond Bldg 325 Delaware Ave Buffalo 2 NY

National Home Planning Service 80 Morris Ave Springfield NJ

National Kitchens 163 Avenue A Bayonne NJ

National Lead Co 111 Broadway New York 6 NY

National Lock Co 1902 Seventh St Rockford Ill

National Mfg Co 1 First Ave Sterling Ill

National Mfg Corp 153 Fillmore Ave Tonawanda NY

National Metal-Art Mfg Co 1901 Eighth Ave Brooklyn 15 NY

National Metal Prods 2 Gateway Center Pittsburgh 22 Pa

National Plan Service Inc 1700 W Hubbard St Chicago 22 Ill

National Plastic Products Co Odenton Md

National Plumbing Fixture Corp South Second Elwood City Pa

National Pool Equipment Co Lee Highway Florence Ala

National Rubber Machinery Co Plumbing Equipment Div 47 W Exchange St Akron 8 Ohio

National Steel Cabinet Co 2415 N Pulaski Rd Chicago 39 Ill

National Stove Co 163 Avenue A Bayonne NJ

National Tile & Mfg Co 1200 E 26 St Anderson Ind

National-US Radiator Corp 944 Ash St Johnstown Pa

National Vanity Co 165 Avenue A Bayonne NJ

National Window Corp PO Box 632 Jackson Miss

Nationwide House Plan Service 595 Hope St Providence RI

Nationwide Plan Book Co PO Box 404 Northridge Cal

Neils J Lumber Co Div St Regis Paper Co Libby Mont

Nelson B F Mfg Co 401 N E Main St Minneapolis 13 Minn

Nesbitt John J Inc State Rd & Rhawn St Philadelphia 36 Pa

Nevamar Carefree Kitchens Odenton Md

New Castle Products Inc Box 353 New Castle Ind

New England Carbide Tool Co Inc 55 Commercial St Medford 55 Mass

New London Engineering Co 1700 Division St New London Wisc

New London Shake Co Box 535 Hoquiam Wash

New Monarch Machine & Stamping 406 SW Ninth St Des Moines 9 Iowa

New York Wire Cloth Co Inc 441 E Market St York Pa

Newark Ladder & Bracket Co Inc 17 Walnut Ave Clark Rahway NJ

Niagara Furnace Div Forest City Foundries Co 2500 W 27 St Cleveland 13 Ohio

Niagara Plywood Co Inc 1234 Broadway Buffalo NY

Nicholls Mfg Co Ottumwa Iowa

Nichols Wire & Aluminum Co 1725 Rockingham Rd Davenport Iowa

Nicholson & Co 161 First St Cambridge 42 Mass

Nicholson File Co Providence 1 RI

Nixalite Co of America 1722-26 First Ave Rock Island Ill

Nordahl Sliding Door Frames 180 W Alameda Ave Burbank Cal

Norge Div Borg Warner Corp Rm 234 Mdse Mart Chicago Ill

Norman Products Co 1150 Chesapeake Ave Columbus 21 Ohio

Norman W F Sheet Metal Mfg Co Nevada Mo

Norris Thermador Corp 5215 S Boyle Ave Los Angeles 58 Cal

North American Asbestos Corp 141 W Jackson Blvd Chicago 4 Ill

North Bangor Slate Co Bangor Pa

North Carolina Granite Corp Mount Airy NC

North East Metal Products Corp Merrick LI NY

North Pacific Plywood Inc 1549 Dock St Tacoma 2 Wash

Northern Conveyor Co Western Ave Janesville Wisc

Northern Industries Inc 407 E Michigan Ave Milwaukee 2 Wisc

Northwest Door Co Sub St Regis Paper Co PO Box 1477 Tacoma 1 Wash

Northwest Engineering Co 135 S LaSalle St Chicago 3 Ill

Northwest Foundry & Furnace Co 2345 SE Gladstone Portland Ore

Northwest Metal Products Inc 55 Spokane St Seattle 4 Wash

Northwest Shake Distributor 3117 Broadway Everett Wash

Northwestern Steel & Wire Co Ave B & Wallace St Sterling Ill

Norton Co 1 New Bond St Worcester 6 Mass

Norton Door Closer Co 100 Tudor Rd Berrien Springs Mich

Nova Sales Co 1935 Harvey Rd Trenton NJ

Novo Pump & Engine Co 702 Porter St Lansing 5 Mich

Nudor Mfg Corp 7376 Fulton Ave N Hollywood Cal

Nurre Co Box 19 Bloomington Ind

Nuside Metal Products Inc Box 369 Sharon Pa

NuTone Inc Red Bank & Madison Cincinnati 27 Ohio

Nu-Wall Mfg Co 832 N 34 St Milwaukee 8 Wisc

O

Oakland Foundry Co Belleville Ill

O'Brien Corp 2001 W Washington South Bend 21 Ind

Ohio Foundry & Mfg Co 629 Slack St Steubenville Ohio

Ohio Lime Co Woodville Ohio

Ohio Plate Glass Co 305 Morris St Toledo 4 Ohio

Ohio Stamping Products Co 5103 Lakeside Ave Cleveland 14 Ohio

O'Keefe & Merritt Co 3700 East Olympic Los Angeles 23 Cal

O'Kelly-Eccles Co 4846 N Azusa Canyon Rd Baldwin Park Cal

Okonite Co 220 Passaic St Passaic NJ

Ol' Settler Shake Co Oakville Wash

Oliver Corp 400 W Madison St Chicago Ill

Oliver Machinery Co 445 Sixth St NW Grand Rapids 2 Mich

Olivetti Corp of America 375 Park Ave New York NY

Olsen C A Mfg Co Filbert St Elyria Ohio

Olson Mfg Co 620-24 S Broadway Albert Lea Minn

Olympic Foundry Co 5200 Airport Way Seattle Wash

Olympic Stained Prods Co 1118 Leary Way Seattle 7 Wash

Omark Industries Inc 9701 S E McLoughlin Blvd Portland 22 Ore

Onan D W & Sons Inc 2515 Univ S E Minn 14 Minn

One-Der Frame Corp 1232 N 37 Pl Birmingham 3 Ala

Orangeburg Mfg Co Div Flintkote Co 375 Park Ave New York 22 NY

Orchard Bros Inc Alumaroll Products Co 63 Meadow Rd Rutherford NJ

Oregon Lumber Co Baker Ore

Oregon Veneer Co PO Box 1364 Medford Ore

Oregon-Washington Plywood Co Garabaldi Ore

Ore Mfg Co 1425 E Michigan St Adrian Mich

Osage Prods Co Eldon Mo

Osmose Wood Preserving Co of America 980 Ellicott St Buffalo 9 NY

Ostin David Moulding Corp PO Box 607 Sacramento 3 Cal

Otis Elevator Co 260 Eleventh Ave New York 1 NY

Ottawa Steel Div Young Spring & Wire Corp 435½ S Main St Ottawa Kan

Outdoor Oven Fireplace Co 859 Windsor St Hartford 1 Conn

Overhead Door Corp PRR & Kickapoo St Hartford City Ind

Owatonna Tool Co 341 Cedar St Owatonna Minn

Owensboro Sewer Pipe Co PO Box 276 Owensboro Ky

Owens-Corning Fiberglas Corp 603 Madison Ave Toledo Ohio

Owens-Illinois PO Box 1035 Toledo 1 Ohio

Oxford Tile Co Div of Universal Potteries Inc Cambridge Ohio

Ox-Wall Tool Co Ltd 928 Broadway New York 10 NY

Ozan Lumber Co Prescott Ark

Ozark Oak Flooring Co Bismarck Mo

P

Pacific Brass & Hardware Mfg Co 2442 N Chico Ave El Monte Cal

Pacific Lumber Co 100 Bush St San Francisco Cal

Pacific Mfg Co 2610 The Alameda Santa Clara Cal

Pacific Mercury Marketing Div PO Box 190 Van Nuys Cal

Pacific Mutual Door Co PO Box 1589 Washington Bldg Tacoma 1 Wash

Pacific Pre-cast Products Inc 1500 Calzona St Los Angeles 23 Cal

Pacific Tile & Porcelain Co 7716 E Alondra Blvd Paramount Cal

Paddock of California 8400 Santa Monica Los Angeles 46 Cal

Paine Co 501 Westgate Addison Ill

Paine Lumber Co Ltd PO Box 1403 Louisville Ky

Pak-Cel Inc 3 Malden St Natick Mass

Pal-O-Pak Insulation Co Inc Hartland Wisc

Palos Verdes Stone Dept Great Lakes Carbon Corp PO Box 1307 Walteria Cal

Panaview 13434 Raymer St N Hollywood Cal

Panelfab Products Inc 2000 N E 146 St N Miami Fla

Panelfold Doors Inc 1090 E 17 St Hialeah Fla

Panel Heat Inc 1395 Marconi Blvd Copiague NY

Paramount Aluminum Prod Corp Broad Hollow Rd Farmingdale LI NY

Park Tool Co PO Box 44 St Cloud Minn

Parker Ira & Sons 552 N Main St Oshkosh Wisc

Parker Mfg Co 149 Washington St Worcester Mass

Parker S Hdwe Mfg Corp 27 Ludlow St New York 2 NY

Parker & Sons Shake Mill PO Box 22 Copalis Beach Wash

Parkwood Laminates Inc 24 Water St Wakefield Mass

Parr Paint & Color Co 18400 Syracuse Ave Cleveland 10 Ohio

Pass & Seymour Inc Solvay Ave Syracuse NY

Patent Scaffolding Co 38-21 Twelfth St Long Island City NY

Patten J V Co 550 DeKalb Ave Sycamore Ill

Patterson-Sargent Co 1325 E 38 St Cleveland 14 Ohio
Patton Clay Mfg Co Terra Cotta Ave Patton Pa
Paxton Brick Co Paxtonville Pa
Paxton Frank Lumber Co 6311 St John Ave Kansas City Mo
Payne Co Box 2222 Lapuente Cal
Peaslee-Gaulbert Paint Varnish 223 N 15 St Louisville Ky
Pecora Inc 300 W Sedgley Ave Philadelphia 40 Pa
Peerless Corp 1853 Ludlow Indianapolis Ind
Peerless Electric Div H K Porter Co Inc 1401 W Market St Warren Ohio
Peerless Heater Co Spring & Shaeffer Boyertown Pa
Peerless Level & Tool Co 104 Third Ave Sterling Ill
Peerless Pump Div Food Machinery Corp 301 West Avenue 26 Los Angeles 31 Cal
Peerless-Wood Products 5942 McGraw Detroit Mich
Pemko Mfg Co 5755 Landregan St Emeryville Cal
Penberthy Manufacturing Co Box 211 Prophetstown Ill
Penetray Corp 615 Front St Toledo 5 Ohio
Peninsula Plywood Corp Marine Drive Port Angeles Wash
Peninsula Tool Co Inc 1200 34th Ave Menominee Mich
Penn-Akron Corp 32-01 57th St Woodside 77 NY
Penn Boiler & Burner Mfg Corp Fruitville Rd Lancaster Pa
Penn Controls Inc Goshen Ind
Penn Crete Prods Co 4528 Tacony Sts Philadelphia 24 Pa
Penn-Dixie Cement Corp 60 E 42 St New York 17 NY
Penn Metal Co Inc 40 Central St Boston Mass
Penn Supply & Metal Corp 1831 N Fifth St Philadelphia 22 Pa
Pennsalt Chemicals Corp Three Penn Center Philadelphia 2 Pa
Pennsylvania Furnace & Iron Co 316 Pine St Warren Pa
Pennsylvania Wire Glass Co 1612 Market St Philadelphia 3 Pa
Peoria Brick & Tile Co PO Box 515 Peoria Ill
Perfect Line Mfg Old Country Rd Hicksville NY
Perfection Industries Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Perma-Jack Corp 1113 E 200 St Cleveland 17 Ohio
Permagile Corp of America 3723 33rd St Long Island City NY
Permanente Cement Co 1924 Broadway Oakland Cal
Permitece Inc PO Box 206 Station A Dayton 3 Ohio
Permutit Co Div Pfaudler Permutit Inc 50 W 44 St New York 36 NY
Perrine Industries Inc 5555 N W 36 Ave Miami Fla
Peters Jas & Son 1934 N Front St Philadelphia Pa
Peterson D J Co Sheboygan Wisc
Peterson Prods Co 1015 N Bluff St Janesville Wisc
Peterson Window Corp 722 Livernois Ferndale 20 Mich
Petterson J C Corp 116 S Stoneman Ave Alhambra Cal
Phelan-Faust Paint Mfg Co 932 Loughborough St Louis 11 Mo
Phelps Dodge Copper Prods Corp 300 Park Ave New York 22 NY
Phenix Mfg Co 4129 N Point Washington Ave Milwaukee 12 Wisc
Philadelphia Screen Mfg Co Philadelphia 43 Pa
Philco Corp Tioga & C Sts Philadelphia 34 Pa
Phillips Drill Co Highway 12 Michigan City Ind
Phillips Ryhne Lumber Co Inc PO Box 257 Brookhaven Miss
Pickens Hardwood Flooring Co Inc Pickens SC
Pickering Lumber Corp Standard Cal
Pickett Products Inc 1111 S Fremont Ave Alhambra Cal
Pierson Ernest Co 4100 Broadway Eureka Cal
Pioneer Div Flintkote Co Terminal Annex B 2218 Los Angeles 54 Cal
Pioneer Gen E Motor Corp 5841 W Dickens Ave Chicago 39 Ill
Pioneering Mfg Co 3131 San Fernando Rd Los Angeles 65 Cal
Pioneer Plastics Corp 28 Goodhue St Salem Mass
Pioneer Saws Div Borg-Warner Corp Waukegan Ill
Pitman Mfg Co Grandview Mo
Pittsburgh Corning Corp 1 Gateway Center Pittsburgh 22 Pa
Pittsburgh Plate Glass Co 632 Fort Duquesne Pittsburgh 22 Pa
Pittsburgh Steel Products Div Pittsburgh Steel Co PO Box 118 Pittsburgh Pa
Plasteco Inc PO Box 9123 Houston Tex
Plasteel Products Corp PO Box 481 Washington Pa
Plastergon Wall Board Co 196 Philadelphia Buffalo 7 NY
Plastering Development Center Inc 1725 W Pershing Rd Chicago 9 Ill
Plastic Products Co 6473 Georgia Ave Detroit 11 Mich
Plastic Woven Prods 51 Camden St Paterson NY
Plextone Corp of America 2141 McCarter Hwy Newark NJ
Plumb Fayette R Inc 4837 James St Philadelphia 37 Pa
Plyco Corp 54 Lake St Elkhart Lake Wisc
Plyfloor Inc PO Box 158 Beaumont Miss
Plymold Co 12025 Brandford St Sun Valley Cal
Plywall Prods Co PO Box 625 Fort Wayne Ind
Plywall Products Co Inc PO Box 837 Corona Cal
Plywood Co Fulton St Sumter NC
Plywood Service Inc PO Box 78 Dillard Ore
Pointer-Willamette Co Inc PO Box 368 Edmonds Wash
Polyplastex United Inc 870 Springfield Rd Union NJ
Pomeroy S H Co Inc 41 Magee Ave Stamford Conn
Pomona Terra-Cotta Co Pomona Station Greensboro NC
Pomona Tile Mfg Co 629 N LaBrea Ave Hollywood 38 Cal
Poolquip Mfg Inc PO Box 7483 Fort Worth Tex
Pootatuck Corp 50 Old Stratford R Shelton Conn
Pope & Talbot Inc 3070 N West Front Portland Ore
Port Austin Level & Tool Mfg Co Port Austin Mich
Portable Electric Tools Inc 320 W 83 St Chicago 20 Ill
Porter-Cable Machine Co 700 Marcellus St Syracuse 4 NY
Powell W R Shake Co Box 882 Waldport Ore
Power Door Co Monmouth Junction NJ
Power Line Sales Inc 540 Monterey Pass Monterey Park Cal
Powernail Co 961 Montana St Chicago 14 Ill
Powers Regulator Co 3400 Oakton St Skokie 19 Ill
Prager Co Inc 3 Neponset St Worcester 6 Mass
Pratt & Lambert Inc 75 Tonawanda St Buffalo 7 NY
Precision Parts Corp 400 N First St Nashville 7 Tenn
Precision Weatherstrip Co 7300 University Ave Chicago 19 Ill
Precisionware Inc 78 Livingston St Brooklyn NY
Preco Inc 6300 E Slauson Ave Los Angeles 22 Cal
Prefabricated Prods Co Inc PO Box 368 Kirkland Wash
Premier Furnace Co Box 150 Dowagiac Mich
Premier Hall Mfg Co 3951 W Fullerton Chicago 47 Ill
Prescolite Berkeley Cal
Prestite Div American-Marietta Co 39th & Chouteau Aves St Louis 10 Mo
Prestile Mfg Co 5850 W Ogden Ave Chicago 50 Ill
Preway Inc 1430 Second St N Wisconsin Rapids Wisc
Price Fire & Water Proofing Co Poughkeepsie NY
Prime Mover Co Highway 22 East Muscatine Iowa
Proctor Products Co 16202 Sixth Ave N E Seattle 55 Wash
Producers & Distributors Inc 1321 Hanover St Allentown Pa
Progress Mfg Co Inc Castor & Tulip Ave Philadelphia 34 Pa
Protection Products Mfg Co 2305 Superior Ave Kalamazoo 99 Mich
Protective Papers Inc Union Ill
Protective Products Co 2701 N E University Minneapolis 18 Minn
Pro-Tect-U Jalousie Corp 4525 Ponce De Leon Coral Gables Fla
Protectub Inc 93 Seigel St Brooklyn 6 NY
Proto Tool Co Div Pendleton Tool Industries Inc 2209 Santa Fe Ave Los Angeles 54 Cal
Puget Sound Plywood Inc 230 East F St Tacoma Wash
Pullman Mfg Corp 325 Hollenbeck Rochester 21 NY
Pullum Window Corp 12950 Lyndon Ave Detroit 27 Mich
Pyle-National Co 1334 N Kostner Chicago 51 Ill
Pyramid Mouldings Inc 5353 W Armstrong Chicago 46 Ill

Q

Quaker State Metals Co Manheim Pike Lancaster Pa
Quality Wood Prods Sitkum Route Myrtle Point Ore
Quartz Mosaic Inc PO Box 36 Yorklyn Del
Quickfrex Inc 105 Oak Place Fond Du Lac Wisc
Quigley Co Inc 415 Madison Ave New York 17 NY
Quincy Adams Colonial Doors 118 Maple St Manchester NH

R

R C A Service Co Div of R C A Camden 8 NJ
R C S Tool Corp 227 E Front St Bloomington Ill
R & H Guaranteed Products Co 3201 S Lombard Ave Cicero Ill
R N H Shake Co Box 554 Forks Wash
R O W Sales Co 1301-4 Academy Ave Ferndale Mich
Radex Corp 2076 N Elston Ave Chicago 14 Ill
Radiation Furnace Corp 230 Bond St Benton Harbor Mich
Radiant-Ray Radiation Inc 464 Hartford Ave Newington Conn
Radocy P A & Sons E River Rd Rossford Ohio
Ramset Fastening System Winchester-Western Div Olin Mathieson Chem Corp 289 Winchester Ave New Haven 4 Conn
Ranetite Mfg Co 1917 S Broadway St Louis 4 Mo
Ranier Plywood Co 2142 East D St Tacoma 2 Wash
Rapids-Standard Co Inc 130 Trowbridge St Grand Rapids Mich
Rawplug Co Inc 200 Petersville Rd New Rochelle NY
Raybestos-Manhattan Inc M R Div 61 Willett St Passaic NJ
Rayco Products Inc Middletown Conn
Rayner Mfg Co East River Rd Dixon Ill

Ray-O-Lite Corp of America 316 Peachtree N E Atlanta Ga

Ready Hung Door Corp Neil P Anderson Bldg Fort Worth Tex

Readybuilt Products Co 1701-23 McHenry St Baltimore 23 Md

Reardon Co 7501 Page Ave St Louis 14 Mo

Red Devil Tools 2400 Vauxhall Rd Union NJ

Red Jacket Mfg Co P O Box 270 Davenport Iowa

Redwood Sales Co 235 Montgomery St San Francisco Cal

Reed Cromex Corp 15757 Euclid Ave Cleveland 12 Ohio

Reed Unit Fans Inc 501 N St Patrick St New Orleans 19 La

Reese Metal Weatherstrip Co 712 Park Ave Minneapolis Minn

Reeves Steel & Mfg Co Div Empire-Reeves Steel Corp 6 Iron Ave Dover Ohio

Reflectal Corp Sub Borg Warner 200 S Michigan Ave Chicago 4 Ill

Reflectotherm Inc 26 E University Cincinnati 19 Ohio

Regal Laminates Inc 1370 Ralph Ave Brooklyn NY

Regal Products Corp 6720 Allentown Blvd Harrisburg Pa

Regulux Sash & Door Co 936 Bransten Rd San Carlos Cal

Reheo Corp 5846 Hooper Ave Los Angeles 1 Cal

Reiman & Georger Inc 1849 Harlem Rd Buffalo 12 NY

Remcon Div Pyramid Instrument Corp 630 Merrick Rd Lynbrook LI NY

Remington Air Conditioning Div Willey St Auburn NY

Remington Alum Window Corp 999 Stewart Ave Garden City NY

Remington Arms Co Inc 939 Barnum Ave Bridgeport 2 Conn

Remington Rand Div Sperry Rand 315 Park Ave S New York 10 NY

Rempe Co 340 N Sacramento Chicago 12 Ill

Relton Corp 99 N Lotus Ave Pasadena Cal

Re-Nu-It Corp 424 West 42 St New York 36 NY

Reo Div White Motor Co 1331 S Washington Lansing 20 Mich

Republic Steel Corp Republic Bldg Cleveland 1 Ohio

Republic Steel Corp Berger Div 1038 Belden Ave N E Canton 5 Ohio

Republic Steel Corp Truscon Div 1050 Albert St Youngstown 1 Ohio

Research Products Corp 1015 E Washington Madison 10 Wisc

Resolite Corp Zelienople Pa

Reuten Fred Inc Closter NJ

Revco Inc Deerfield Mich

Revere Copper & Brass Inc 230 Park Ave New York 17 NY

Reynolds Aluminum Supply Co 573 W Peachtree Atlanta 3 Ga

Reynolds Metals Co West Broad St Richmond 18 Va

Reznor Mfg Co David St Mercer Pa

Rheem Mfg Co 7600 S Kedzie Ave Chicago 52 Ill

Rice Pump & Machine Co 400 Park Ave Belgium Wisc

Rich Phil Fan Mfg Co Inc 2900 Caroline Houston 4 Tex

Rich Howard B Inc Sixth St Carrollton Ky

Richards Wilcox Mfg Co 174 Third St Aurora Ill

Richbilt Mfg Co 3277 Spring Grove Cincinnati 25 Ohio

Richkraft Co 510 N Dearborn St Chicago 10 Ill

Richmond Fireproof Door Co Box 334 Richmond Ind

Richmond Plumbing Fixtures P O Box 111 Metuchen NJ

Ridge Door Co Monmouth Junction NJ

Rieter Woodwork Specialty Co 241 N Second Ave P O Box 243 Cedarburg Wisc

Rigidized Metals Corp 687 Ohio St Buffalo NY

Rilco Laminated Prods Inc First Natl Bank Bldg St Paul Minn

Rittenhouse Co Inc 68 East St Honeoye Falls NY

Rittling Corp 95 Kentucky St Buffalo NY

Robbins Floor Products Inc Tuscumbia Ala

Robbins Flooring Co Reed City Mich

Robbins & Myers Inc 1345 Lagonda Ave Springfield Ohio

Roberts Co 600 N Baldwin Park Blvd City of Industry Cal

Roberts Gordon Appliance Corp 44 Central Ave Buffalo 6 N Y

Roberts Mfg Co Box 177-426 Shafer Cleburne Tex

Robinson Brick & Tile Co 500 S Santa Fe Dr Denver 23 Colo

Robinson Clay Product Co 65 West State St Akron 9 Ohio

Robinson Plywood & Timber Co P O Box 904 Everett Wash

Robot Industries Inc 7041 Orchard St Dearborn Mich

Rocco Products Inc 2916 Fourth Ave Minneapolis Minn

Rocform Corp 15160 W 8-Mile Rd Detroit 35 Mich

Rock Island Millwork Co Factory Div Rock Island Ill

Rockaway Sales Co Rt 46 Rockaway 22 NJ

Rockcote Paint Co 200 Sayre St Rockford Ill

Rockford Brick & Tile Co Rockford Iowa

Rockwell Mfg Delta Power Tool Div 400 N Lexington Pittsburgh 8 Pa

Rockwell of Randolph Inc Randolph Wisc

Rodale Manufacturing Co Inc Sixth & Minor Sts Emmaus Pa

Roddis Plywood Corp 1155 Palmetto Marshfield Wisc

Roddiscraft Inc Arcata Cal

Roe Justus & Sons 1 Roe Court Patchogue LI NY

Rohm & Haas Co Washington Sq Philadelphia 5 Pa

Rolscreen Co Main St Pella Iowa

Romar Filter Corp 120 W Melvina St Milwaukee 12 Wisc

Rome-Turney Radiator Co Canal St Rome NY

Root-Lowell Corp 445 N Lake Shore Drive Chicago Ill

Roper Geo D Corp Kankakee Ill

Rosboro Lumber Co P O Box 1098 Springfield Ore

Roseman Tractor Equipment Co 2610 Crawford Ave Evanston Ill

Round David & Son Inc P O Box 883 Cleveland 22 Ohio

Rowe Mfg Co 614 W Third St Galesburg Ill

Royal Jalousie Co 1036 E 24 St Hialeah Fla

Royal Woodwork Inc 235 S 11 St Reading Pa

Rubatex Div of Great American Industries Inc Bedford Va

Ruberoid Co 500 Fifth Ave New York 36 NY

Rudeen N H Co Inc 2940 Girard Ave S Minneapolis 8 Minn

Rudiger-Lang Co 219 International Trade Mart New Orleans La

Rudiger-Lang Co 2701 Eighth St Berkeley 10 Cal

Rusco Windows Inc of Florida Box 1145 1090 E 16 St Hialeah Pa

Russell & Erwin Div American Hardware Corp 102 Washington St New Britain Conn

Russel F C Co Box 26 Columbiana Ohio

Rust-Oleum Corp 2425 Oakton St Evanston Ill

Rutland Fire Clay Co Curtis Ave Rutland Vt

Ruud Mfg Co 2025 Factory St Kalamazoo 24 Mich

Rybolt Heater Co Box 590 Ashland Ohio

Ryerson Joseph T & Son 16th & Rockwell St Chicago Ill

S

Sacramento Brick Co P O Box 843 Sacramento 4 Cal

Safe Padlock & Hdwe Co Second & Crystal Sts Lancaster Pa

Safetee Glass Co 4717 Stenton Ave Philadelphia 44 Pa

Safety-Flex Enclosures Div Woodside Industries 2566 Bay Rd Redwood City Cal

Safety Nail Driver Corp 70 Rosalie St Clifton NJ

Safway Steel Products Inc 6228 W State St Milwaukee 13 Wisc

Sager Weatherstrip & Caulking 2050 W 59 St Chicago 36 Ill

Saginaw Shingle Co Box 512 Aberdeen Wash

St Charles Mfg Co Tyler Rd St Charles Ill

Saint Paul Corrugating Co S End Wabasha St Bridge St Paul 7 Minn

St Paul & Tacoma Lumber Co 1220 St Paul Ave Tacoma Wash

St Regis Paper Co Panelyte Div 150 East 42 St New York 17 NY

Samcoe Wm J Iron Co 917 Military Rd Kenmore 17 NY

Samson Cordage Works 470 Atlantic Ave Boston 10 Mass

Samuel Stamping & Enameling Co Chattanooga Tenn

Sands Level & Tool Co Div Harmon Mach Co Inc 225 W Lewis Wichita Kan

Sanford Gri-P-Late Co PO Box 1177 Pompano Beach Fla

Sani-Top Inc 4610 S Main St Los Angeles Cal

Santa Anita Mfg Co 4961 Double Drive Temple City Cal

San-Tex Stone Quarry Inc 4130 Broadway San Antonio Tex

Sanymetal Products Co Inc 1705 Urbana Rd Cleveland 12 Ohio

Sapolin Paints Inc 205 East 42 St New York 17 NY

Sargent & Co 45 Water St New Haven 9 Conn

Sargent-Gerke Co 323 West 15th Indianapolis 6 Ind

Sasgen Derrick Co 3101 West Grand Ave Chicago 22 Ill

Saturday Evening Post Curtis Publishing Co Independence Square Philadelphia Pa

Savogran Co PO Box 58 Norwood Mass

Sawhill Tubular Products Inc Fabricating Div Sharon Pa

Schalk Chemical Co 351 E Second St Los Angeles 12 Cal

Scharf J H Mfg Co 6120 Binney St Omaha 4 Neb

Scheirich H J Co 4460 Louisville Ave Louisville 9 Ky

Schenck William & Co Evans City Pa

Schield Bantam Co 262 Park St Waverly Iowa

Schlage Lock Co 2201 Bay Shore Blvd San Francisco 24 Cal

Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 NY

Schumacher F E Co 200 Mill St Hartville Ohio

Schwartz Mfg Co Lester Prairie Minn

Schwerd A F Mfg Co 3215 McClure Ave Pittsburgh 12 Pa

Screens & Fabric Metals Corp 34th St & Plank Rd N Bergen NJ

Screw & Bolt Corp of America Southington Hardware Div 168 Center St Southington Conn

Sea-Chrome Inc 1032 S Gerhart Ave Los Angeles 22 Cal

Seal-A-Door Co 712 N W Sixth Ave Ft Lauderdale Fla

Seal-All Clip Co 4376 W Pasadena Ave Flint Mich

Seal Rite Caulking Co 369 Midland Ave Highland Park 3 Mich

Sealtite Insulation Mfg Corp 115 Madison St Waukesha Wisc

Searcy Flooring & Lumber Co Inc Searcy Ark

Seattle Cedar Lumber Mfg Co 4703 Ballard Ave Seattle 7 Wash

Security Aluminum Co 403 Midland Ave Detroit 3 Mich
Sedcon Inc Rt 30 E Box 66 Rock Falls Ill
Seddon Co Box 36 Springfield Ohio
Sedgwick Machine Works 80 Eighth Ave New York 11 NY
Seidlitz Paint & Varnish Co 18th & Garfield St Kansas City 10 Mo
Selby Battersby & Co 5220 Whitby Ave Philadelphia 43 Pa
Selck Walter E & Co 223 West Hubbard Chicago 10 Ill
Selfridge Co 5606 Euclid Ave Cleveland Ohio
Semling-Menke Co S Nast St Merrill Wisc
Seneca Wire & Mfg Co Fostoria Ohio
Sentry Stop-A-Draft Co 715 St Clair Ave N W Cleveland 13 Ohio
Sequoia Manufacturing Co 1090 Brittan Ave San Carlos Cal
Servicised Prods Corp 6051 W 65 St Chicago 38 Ill
Servis Equipment Co 1000 Singleton Blvd Dallas Tex
Shadyside Foundry PO Box 507 Martins Ferry Ohio
Shake-A-Ply Co PO Box 7 N Portland Ore
Shakertown Corp 20310 Kinsman Rd Cleveland 22 Ohio
Sharon Hardware Mfg Co PO Box 670 Sharon Pa
Sharon Steel Corp Sharon Pa
Shawnee Mfg Co Dept of Parsons Co Div Koehring Co 1947 N Topeka Topeka Kan
Sheffield Bronze Paint Corp 17814 Waterloo Cleveland 19 Ohio
Sheffield Div Armco Steel Corp Sheffield Station Kansas City 25 Mo
Shelby Metal Prods Co PO Box 525 Shelby Ohio
Shelby Spring Hinge Co Shelby Ohio
Shell Chemical Corp 460 Park Ave New York 22 NY
Shepard Niles Crane & Hoist Corp 410 Schuyler Ave Montour Falls NY
Shepard Elevator Co Div Dover Corp 5000 Brotherton Rd Cincinnati 9 Ohio
Shepler Mfg Co Box 10405 Pittsburgh 34 Pa
Sheridan Press Brick & Tile Co Box 732 Sheridan Wyo
Sherle-Wagner 123 E 57 St New York NY
Sherman Prods Inc 3200 W 14 Mile Rd Royal Oak Mich
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Shirley Corp 330 East St Joseph Indianapolis 2 Ind
Silver Bells Ltd PO Box 962 Carmel Cal
Silvercote Prods Inc 161 E Erie Chicago Ill
Silvray Lighting Inc 100 West Main St Bound Brook NJ
Simmonds Abrasive Co Tacony & Fraley St Philadelphia Pa
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Simplex Forms System Inc 5605 Industrial Ave Rockford Ill
Simplex Level Co PO Box 215 Hanover Mich
Simpson Logging Co Shelton Wash
Simpson Mark Mfg Co Inc 32-28 49th St LIC 3 NY
Simpson Redwood Co Arcata Cal
Shopmaster Div Energy Mfg Co 100 N Main St Monticello Iowa
Shower Door Co of America 1 Permalume Pl N W Atlanta 18 Ga
Showerfold Door Corp 6585 W Warren Ave Detroit Mich
Slidewall Co 51 W Wacker Dr Chicago Ill
Signal Electric Div King-Seeley 1821 13th St Menominee Mich
Signode Steel Strapping Co 2600 N Western Ave Dept 113 ABD Chicago 47 Ill
Sika Chemical Corp 35 Gregory Ave Passaic NJ
Silent Glow Oil Burner Co 850 Windsor St Hartford Conn
Silent Hoist & Crane Co 841 63rd St Brooklyn NY
Silicones Div Union Carbide 30 E 42 St New York 17 NY
Sin-Jin Products Co 5236-40 Fairlawn Ave Baltimore 15 Md
Skil Corp 5033 Elston Ave Chicago 3 Ill
Skuttle Mfg Co 140-150 Summit Milford Mich
Skyline Industries Sales Inc 1900 Skyline Dr Titusville Pa
Slant-Fin Radiator Corp 130-15 89th Rd Richmond Hill NY
Slaymaker Lock Co 115 S W End Ave Lancaster Pa
Slide Master Glass Door & Window PO Box 2006 Van Nuys Cal
Slide-View Door Co 1547 N Tyler Ave El Monte Cal
Sloan L J Scaffold Bracket Co PO Box 6399 Minneapolis 23 Minn
Sloan Valve Co 4300 W Lake St Chicago 24 Ill
Smith A O Corp Permaglas Div PO Box 28 Kankakee Ill
Smith Alexander 295 Fifth Ave New York NY
Smith-Corona Marchant Inc 701 E Washington Syracuse 1 NY
Smith H B Co Westfield Mass
Smith J Lee & Co Inc PO Box 185 North Brunswick NJ
Smith & Loveless Inc PO Box 8884 Kansas City 15 Mo
Smith M R Shingle Co Box 2067 Seattle 11 Wash
Smith Seymour & Son Oakville Conn
Smith T L Co 2835 N 32 St Milwaukee Wisc
Smith W T Lumber Co Chapman Ala
Smith Hoist Mfg Co PO Box 205 Cassopolis 6 Mich
Smoot-Holman Co PO Box 4097 Inglewood Cal
Smooth-On Mfg Co 574 Communipaw Jersey City 4 NJ
Snellstrom Lumber Co PO Box 449 Eugene Ore
Solvay Process-Allied Chem Dye 61 Broadway New York 6 NY
Sommer Metalcraft Corp 315 Poston Drive Crawfordsville Ind
Sonneborn L Sons Inc 404 Park Ave S New York 16 NY
Sonoco Prods Co Construction Prod Div South St Hartsville SC
Soss Mfg Co PO Box 38 Harper Station Detroit 13 Mich
Soule Steel Co 1750 Army St San Francisco Cal
Sound Sidewall Shake Co PO Box 538 Winlock Wash
Southern Cement Co American-Marietta 605 Protective Life Birmingham 3 Ala
Southern Mill & Mfg Co 525 S Troost Tulsa 1 Okla
Southern Pine Lumber Co Diboll Tex
Southern Plaswood Corp PO Box 123 Hope Ark
Southern Sash Sales & Supply Co 818 20th St Sheffield Ala
Southern Screw Co Box 1360 Statesville NC
Southwestern Plastic Pipe Co Box 117 Mineral Wells Tex
Southwood Corp 4400 Marsalis PO Box 7385 Fort Worth Tex
Spanail of the Americas Inc 787 United Nations Plaza New York NY
Spanjers A J Co 6351 N Lilac Drive Minneapolis Minn
Spartan Steel Products Corp 1230 Oak Point Ave Bronx NY
Speakman Co 30th & Spruce Sts Wilmington 99 Del
Specialty Tool Manufacturers 732 S Illinois St Belleville Ill
Speed Queen Div McGraw-Edison Co PO Box 332 Ripon Wisc
Speedway Mfg Div Thor Power Tool Co 1421 Barnsdale Rd La Grange Park Ill
Spencer Heater Lycoming Div-Avco 652 Oliver St Williamsport Pa
Spokane Sash & Door Co PO Box 63 Spokane Wash
Spotnails Inc 1527 Lyons Evanston Ill
Sprayton Equipment Co 18055 James Couzen Detroit 35 Mich
Square D Co 6060 Rivard Detroit 11 Mich
Stahl Metal Prods 3490 W 140 St Cleveland Ohio
Stamford Wallpaper Co Inc 153 Greenwich Ave Stamford Conn
Standard Brick & Tile Corp 123 N W Fourth St Evansville 8 Ind
Standard Building Products Co 621 Mc Donald Ave Brooklyn 18 NY
Standard Coated Prods Inc Buchanan NY
Standard Dry Wall Products Inc PO Box X New Eagle Pa
Standard Electric Mfg Co Inc Haddon Ave W Berlin NJ
Standard Lime & Cement Co First National Bank Bldg Baltimore 3 Md
Standard Paste & Glue Co Inc 3620 W 38 St Chicago 32 Ill
Standard Register Co Campbell & Albany Dayton 1 Ohio
Standard Steel Cabinet Co 3711 N Milwaukee Chicago Ill
Standard Steel Works Inc 16th & Howell N Kansas City Mo
Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island NY
Standard Veneer & Timber Co PO Box 578 Crescent City Cal
Stanley Electric Tools 480 Myrtle St New Britain Conn
Stanley Tools 111 Elm St New Britain Conn
Stanley Works New Britain Conn
Stanscrew Fasteners Div Standard Screw Co 2901 W Washington Blvd Bellwood Ill
Stanthony Corp 5341 San Fernando Rd West, Los Angeles 39 Cal
Star Expansion Industries Corp Mountainville NY
Starfire Div Bettinger Corp Sumner St Milford Mass
Starline Inc 300 W Front St Harvard Ill
Starrett L S Co 101 Crescent St Athol Mass
State Metal Awnings Inc 131 Shonnard St Syracuse NY
State Steel Industries Inc 17900 E Valley Blvd PO Box F 1 City of Industry Cal
Sta-Tite Inc 4020 N Port Washington Ave Milwaukee 12 Wisc
Stay-Tite Products Co 9400 Steinway Ave Cleveland 4 Ohio
Steelbilt Inc 18001 S Figueroa St Gardena Cal
Steel Corner Tape Corp 121-07 133rd St Ozone Park LI NY
Steel Partitions Inc PO Box 807 Jamestown NY
Steel Scaffolding Co Uniontown Pa
Steelcote Mfg Co 3418 Gratiot St St Louis 3 Mo
Steelcraft Mfg Co 9017 Blue Ash Rd Cincinnati 42 Ohio
Stephens-Adamson Mfg Co 274 Ridgeway Ave Aurora Ill
Sterling Alderfer Co 3850 Granger Rd Akron 13 Ohio
Sterling Awning Co Bldg Materials Div PO Box 245 Belpre Ohio
Sterling Faucet Co Morgantown W Va
Sterling John Corp Richmond Ill
Sterling Precision Plastics Div 103 Park Ave New York 17 NY
Sterling Quality Products Inc 184 Commercial St Malden 48 Mass
Stewart Industries Inc 320 E St Joseph Indianapolis Ind
Stewart Iron Works Inc 2218 Stewart Block Cincinnati 1 Ohio
Stewart S J Electric 527-531 St Joseph New Orleans 12 La
Stewart-Warner Corp Heating & Air Conditioning Div Lebanon Ind
Stiefel Earl E 129 W Water St Kerrville Tex
Stiglitz Corp 2007 Portland Ave Louisville Ky
Stic-Klip Mfg Co Inc 50 Regent St Cambridge Mass
Stillwater Clay Products Co 20900 Center Ridge Rd Cleveland 16 Ohio
Stonco Electric Prods Co 333 Monroe Ave Kenilworth NJ

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Stone Creek Brick Co Stone Creek Ohio

Stone Machinery Co 316 Fayette St Manlius NY

Stone Products Co PO Box 58 Reno Nev

Storm King Corp 1010 N Fourth St Miamisburg Ohio

Stortz John & Son Inc 210 Vine St Philadelphia 6 Pa

Stove Works Inc 131 S Union St Middletown Pa

Stow Mfg Co 272 Shear St Binghamton NY

Strait & Richards Inc 23-43 Selvage St Newark 8 NJ

Straitsville Brick Co New Straitsville O

Stran-Steel Corp Div Natl Steel Corp Detroit 29 Mich

Stratton Terstegge Co PO Box 311 New Albany Ind

Streator Drain Tile Co West Tenth St Streator Ill

Structoglas Inc 4387 W 35 St Cleveland 9 Ohio

Structural Products Div National Starch & Chemical Corp 750 Third Ave New York 17 NY

Studebaker-Packard Corp South Bend Ind

Sturdilite Products Inc 2501 Peterson Ave Chicago 45 Ill

Stylon Corp Summer St Box 341 Milford Mass

Sub Zero Freezer Co Inc PO Box 2017 Madison Wisc

Suburban Propane Gas Corp Box 206 Whippany NJ

Sullivan Co The 212 E Trigg Memphis 2 Tenn

Summit Pressed Brick & Tile Co 13th & Erie Pueblo Colo

Summit Sales Co PO Box 860 Everett Wash

Summitville Tiles Inc Summitville Ohio

Sumo Pumps Inc 23 Brown House Rd Stamford Conn

Sun Screen Products Co 2220 N Division St Spokane 21 Wash

Sun Valley Industries Inc 8354 San Fernando Sun Valley Cal

Sun Valley Industries 4528 W 51 St Chicago 32 Ill

Sunbeam Plastics Corp PO Box 4038 Station A Evansville Ind

Suncraft Inc 1315 W Webster Ave Chicago 14 Ill

Sunroc Corp Glen Riddle Pa

Sunset Plywood Co 6067 District Blvd Los Angeles Cal

Sunwarm Inc Box 266 Kingsport Tenn

Super Concrete Emulsions 1372 E 15th Los Angeles 21 Cal

Super Mill Co Everett Wash

Superflame Queen Prods Div King Seeley Corp 505 Front Albert Lea Minn

Super-Structures Inc 1015 S Jefferson Albert Lea Minn

Superior Clay Corp Lock Drawer 352 Uhrichsville Ohio

Superior Electric Co 83 Laurel St Bristol Conn

Superior Fastener Corp 2949 Elston Ave Chicago 18 Ill

Superior Fireplace Co 4325 Artesia Ave Fullerton Cal

Superior Industries Inc 3786 Oakwood Ave Youngstown 9 Ohio

Superior Scaffold Co 5624 Bankfield Ave Culver City Cal

Superior Window Co 625 E Tenth Ave Hialeah Fla

Superwood Corp 14th Ave W & Waterfront St Duluth Minn

Supradur Corp of NY 122 E 42 St New York 17 NY

Supreme Products Corp 2222 S Calumet Chicago Ill

Surface Protection Co Inc 16799 Euclid Ave Cleveland 12 Ohio

Swanson Mfg Co 607 S Washington Owosso 1 Mich

Swartwout Co 18511 Euclid Ave Cleveland 12 Ohio

Swift Business Machines Corp 51 Church Great Barrington Mass

Swivelier Co Inc Nanuet NY

Sylvania Elec Prods Inc One 48th St Wheeling W Va

Symons Clamp & Mfg Co 4261 Diversey Ave Chicago 39 Ill

Syntron Co 618 Lexington Ave Homer City Pa

Syrall Mfg Co 511 N State St Syracuse NY

Syro Steel Co 1170 N State St Girard O

T

Taber Bushnell Inc 395 27th Ave NE Minneapolis 18 Minn

Taco Heaters Inc 1160 Cranston St Cranston 9 RI

Tait Mfg Co 500 Webster St Dayton 1 O

Talk-A-Phone Co 1512 S Pulaski Rd Chicago 23 Ill

Talk-A-Radio Mfg Co Box 11727 Dallas 18 Tex

Tamblyn Systems 1260 West Oxford Englewood Cal

Tamms Industries Co 228 N LaSalle St Chicago 1 Ill

Tappan Co 250 Wayne St Mansfield Ohio

Tavart Co PO Box 187 Paramount Cal

Taylor Bedding Mfg Co INS-Cotton Div Taylor Tex

Taylor Garage Doors Inc 19600 Fitzpatrick Detroit 28 Mich

Taylor Halsey W Co 1259 N Park Ave Warren Ohio

Taylor Lock Co 2034 W Lippincott Philadelphia 32 Pa

Techbuilt Inc 127 Mt Auburn St Cambridge Mass

Tectum Corp 535 E Broad St Columbus O

Tedrick Bros Mfg Co Inc Box 167 Kent Wash

Tel-O-Post Co Pymatuning St Linesville Pa

Temco Inc 4101 Charlotte Ave Nashville 9 Tenn

Temperature Appliance Mfg Co Box 281 Sebastopol Cal

Tennant G H Co 721 North Lilac Dr Minneapolis 22 Minn

Tennessee Coal & Iron Div US Steel PO Box 599 Fairfield Ala

Tennessee Fabricating Co 1490 Grimes St Memphis Tenn

Tennessee Stone Co Inc 705 Broadway NE Knoxville 17 Tenn

Tennessee Stove Works 14th & Holtzclaw Chattanooga Tenn

Tennison Bros Inc 450 N Bellevue Memphis 4 Tenn

Tex-A-Panel Mfg Co 10848 Harry Hines Dallas Tex

Texas Brick Co PO Box 510 Brownwood Tex

Texas Quarries Inc PO Box 91 Austin Tex

Texas Vermiculite Co PO Box 6306 Dallas 22 Tex

Texas Vitrified Pipe Co Box 117 Mineral Wells Tex

Texboro Cabinet Corp PO Box 93 Mineral Wells Tex

Texoak Flooring Co PO Box 480 Crockett Tex

Textron Metals Co 39 James St Girard Ohio

Thatcher Furnace Co Center St Garwood NJ

Thermador Elec Mfg Co 5119 District Blvd Los Angeles 22 Cal

Thermo Rite Mfg Co 323 N Arlington St Akron 5 Ohio

Ther-Mo Roof Inc 3200 Texas Ave PO Box 6913 Houston 5 Tex

Thilmany Pulp & Paper Co Stribley Rd Kaukauna Wisc

Thomas Industries Inc 410 S Third St Louisville 2 Ky

Thomas Industries Inc Electric Sprayit Div 1415 Illinois Ave Sheboygan Wisc

Thomas Moulding Floor Co Inc 325 West Huron St Chicago 10 Ill

Thomason Plywood Corp PO Box 352 Fayetteville NC

Thompson E A Co Inc Western Merchandise Mart San Francisco 3 Cal

Thomson Oak Flooring Co Old Warrenton Rd Thomson Ga

Thor Power Tool Co State & Claim Sts Aurora Ill

Thorland Automatic Fire Alarms Co 1463 Greenwood Ave San Carlos Cal

Three Centuries 202 E 56 St New York 22 NY

Three Rivers Plywood & Timber Darrington Wash

Thrush H A & Co Peru Ind

Tibbals Flooring Co PO Box 218 Oneida Tenn

Tiffany Mfg Co Inc 3640 NW 41 St Miami Fla

Tiger Brands Div Basic Inc 845 Hanna Bldg Cleveland 15 Ohio

Tilemaster Corp 4400 N Harlem Ave Chicago 31 Ill

Tile-Rite Co 4105 Harvard Ave Cleveland 5 Ohio

Tiletone Co 2323 N Wayne Ave Chicago 14 Ill

Tilley John S Ladders Co Inc 112 Second St Watervliet NY

Tilt-A-Door Corp 3800 East Outer Dr Detroit Mich

Timber Engineering Co 1319 18th St NW Washington 6 DC

Timber Fabricators Inc PO Box 417 Perry Fla

Timber Fasteners Inc 1485 Bayshore Blvd San Francisco Cal

Timber Products Co PO Box 1032 Medford Ore

Timber Structures Inc 3400 N W Yeon Ave Portland Ore

Tim-Plate Inc PO Box 331 Perry Fla

Tinnerman Products Inc Dept 16 PO Box 6688 Cleveland 1 Ohio

Titus Mfg Corp Highway 20 W Waterloo Iowa

Toastmaster Div McGraw Edison Elgin Ill

Toch Bros 2600 Richmond Terrace Staten Island 3 NY

Todays' Home Fawcett Publishing Corp 67 W 44 St New York 36 NY

Toledo Desk & Fixture Co 1020 Ford Rd Maumee Ohio

Toledo Plate & Window Glass Co 1042 Utica St Toledo Ohio

Topcraft Inc 4207 Menlo Dr Baltimore 15 Md

Toridheet Div Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio

Tork Time Controls Inc 15 Grove St Mt Vernon NY

Toro Mfg Co 3042 Snelling Ave Minneapolis 6 Minn

Touch Plate Mfg Corp PO Box 1970 Long Beach 1 Cal

Tractomotive Corp Deerfield Ill

Tracy-American Kitchens 3125 Preble Ave Pittsburgh 33 Pa

Trade-Wind Div Robbins & Myers Inc 7755 Paramount Pl Pico Rivera Cal

Trane Co Second & Cameron La Crosse Wisc

Trego Industries Box 211 Red Oak Tex

Tremco Mfg Co 10701 Shaker Blvd Cleveland 4 Ohio

Tremont Lumber Co Joyce La

Triangle Conduit & Cable Co Inc Triangle & Jersey Aves New Brunswick NJ

Triangle Mfg Co 708 Division St Oshkosh Wisc

Trimco Metal Products 6304 Olive St Rd St Louis 30 Mo

Trim Slide Inc Fulton & Potter St Farmingdale LI NY

Trimview Metal Products 600 N Third St Covina Cal

Trion Inc 1000 Island Ave McKees Rock Pa

Triplett Lumber Co Inc Box 1764 Charlotte NC

Triplex Heating Specialty Co Inc 252 N Grant St Peru Ind

Troy Sunshade Co Grant St Troy Ohio

True Temper Corp 1623 Euclid Ave Cleveland 15 Ohio

Tru-Line Co 707 Locust St Des Moines Iowa

Truscon Labs Inc Grand Trunk RR Detroit Mich

Tubular Structures Corp of America 2960 Marsh St Los Angeles 39 Cal

Tuck-Aire Furnace Co 2045 Evans Ave San Francisco Cal

Tucker Duck & Rubber Co 515 Garrison Ave Ft Smith Ark

Tufcrete Co Inc 502 E Locust St Des Moines 9 Iowa

Turn-A-Bore Equipment Co PO Box 7072 5916 E Rosedale Ft Worth Tex

Turner & Seymour Mfg Co Lawton St Torrington Conn

Turner Corp 821 Park Ave Sycamore Ill

Turner Mfg Co PO Box 987 Salisbury Rd Statesville NC

Twentieth Century Paint & Varnish 456 Driggs Ave Brooklyn 11 NY

Tyee Lumber Mfg Co 765 Myrtle Ave Seattle Wash

Tyler Arthur F Co 167 Hapgood St Athol Mass

Typhoon Air Conditioning Co Div Hupp Corp 505 Carroll St Brooklyn 15 NY

Typhoon Heat Pump Co Div Hupp Corp 200 Garcia Ave Tampa Fla

U

Uhrden Inc 508 Grant St Dennison O

Ultra-Pane 19220 Miles Ave Cleveland 28 Ohio

Underwood Corp 1 Park Ave New York 16 NY

Uni-Crest Div United Cork Foot of Central Ave Kearney NJ

Uniflow Mfg Co 1525 E Lake Rd Erie Pa

Unique Window Balance Corp 4 Taft St South Norwalk Conn

Union Asbestos & Rubber Co 2900 W Vermont Blue Island Ill

Union Carbide Plastics Co Div Union Carbide Corp 30 E 42nd St New York NY

Union Machine Co 708 Colfax Ave Kenilworth NJ

Union Tool Co 48 E River St Orange Mass

Union Twist Drill Co 70 Monroe St Athol Mass

Unique Balance 375 E 30th St Dubuque Iowa

Unistrut Prods Co 933 Washington Blvd Chicago 7 Ill

Unit Crane & Shovel Corp 6411 W Burnham St Milwaukee 19 Wisc

Unit Structures Inc Peshtigo Wisc

United Brick & Tile Co 2800 McGee Trafficway Kansas City 41 Mo

United Gilsonite Laboratories 1396 Jefferson Ave Scranton 1 Pa

United Industries Inc 231 S LaSalle Chicago 4 Ill

United Metal Cabinet Corp 8 E 36 St New York NY

United States Air Compressor Co 5300 Harvard Ave Cleveland 5 Ohio

United States Air Conditioning Corp PO Box 360 Delaware Ohio

U S Aluminum Siding Corp 10551 Anderson Pl Franklin Park Ill

United States Ceramic Tile Co Fourth & Walnut Sts Canton Ohio

U S Expansion Bolt Co 500 State St York Pa

United States Gypsum Co 300 W Adams St Chicago 6 Ill

U S Mineral Wool Co Stanhope NJ

U S Plywood Corp California Div Shasta Operations PO Box 1688 Redding Cal

United States Plywood Corp Mutual Plywood Operations PO Box 18 Eureka Cal

United States Plywood Corp 55 W 44 St New York 36 NY

U S Protective Coatings Inc 1308 Court Sq Bldg Baltimore 2 Md

United States Register Co 344 E Burnham St Battle Creek Mich

United States Rubber Co 1230 Sixth Ave New York 20 NY

United States Steel Corp 525 William Penn Pl Pittsburgh 30 Pa

United States Steel Products Div US Steel 30 Rockefeller Plaza New York 20 NY

United Steel Fabricators Inc 333 Gasche St Wooster Ohio

United Steel Products Co 1820 W Old Shakopee Rd Minneapolis Minn

United Wallpaper Co 3101 S Kedzie Ave Chicago 23 Ill

Universal Atlas Cement Div US Steel Corp 100 Park Ave New York 17 NY

Universal Blower Co 1090 S Adams Ave Birmingham Mich

Universal Fabricators 1785 1829 Boone Ave New York 60 NY

Universal Form Clamp Co 1238 N Kostner Ave Chicago 51 Ill

Universal Mfg Co 3333 Eastshore Hwy Richmond Cal

Universal Mfg Corp W New Castle Zelienople Pa

Universal Motor Co 517 Universal Dr Oshkosh Wisc

Universal Plan Service 1620 S E Ankeny St Portland 14 Ore

Universal Pulleys Co Inc 330 N Mosley Wichita Kan

Universal-Rundle Corp Box 960 New Castle Pa

Universal Window Co 950 Parker St Berkeley 10 Cal

Upson Co Stevens St Lockport NY

Utica Radiator Corp 2201 Dwyer Ave Utica 2 NY

Utility Appliance Corp 4851 S Alameda St Los Angeles 58 Cal

Utility Body Co 1530 Wood St Oakland 7 Cal

V

Valley Metal Products 222 Young St Marseilles Ill

Valley Metal Prods Co Bridge St Plainwell Mich

Valspar Corp 7 E Lancaster Ave Ardmore Pa

Van Packer Co Div Flintkote Co 1232 McKinney Ave Chicago Heights Ill

Vance Industries Inc 7401 W Wilson Ave Chicago Ill

Vancouver Plywood Co 1010 Washington Vancouver Wash

Vaughan & Bushnell Mfg Co 135 S LaSalle Chicago 3 Ill

Veach-May-Wilson Inc 1199 Wright Rd Alcoa Tenn

Vega Industries Inc Syracuse 5 NY

Velsicol Chemical Corp 330 E Grand Ave Chicago 11 Ill

Vent-A-Hood Co 1907 Plantation Rd Dallas 35 Tex

Vento Steel Products Co Inc 250 Colorado Ave Buffalo 15 NY

Ventrola Mfg Co 501 S Chestnut St Owosso Mich

Vermeer Mfg Co 1448 W Washington Pella Iowa

Vermiculite-Northwest Inc 2107 N 34th Seattle Wash

Vermont Marble Co Proctor Vt

Verneo Corp Columbus Ind

Versa Products Co Lodi Ohio

Vestal Mfg Co PO Box 152 Sweetwater Tenn

Vibro Plus Prods Inc Stanhope NJ

Victaulic Co of America PO Box 509 Elizabeth NJ

Victor Adding Machine Co 3900 N Rockwell St Chicago Ill

Victor Inc 15 Maple Ave Paoli Pa

Victor Prods Corp 901 Pope Ave Hagerstown Md

Victor Tool & Machine Corp 1207 Ann St St Joseph Mich

Viking Mfg Corp 1747 Chester Ave Cleveland 14 Ohio

Vikon Tile Corp Washington NJ

Vinyl Plastics Inc 1825 W Erie Ave Sheboygan Wisc

Virden John C Co 6009-6163 Longfellow Cleveland Ohio

Virginia Glass Products Corp Martinsdale Va

Virginia Metal Products Inc Dept A 44 Orange Va

Virginia Oak Flooring Co Inc PO Box 969 Pulaski Va

Visador Co 940 Visador Rd Jasper Tex

Visking Co 6733 W 65 St Chicago Ill

Vita-Var Corp 10 Commerce Ct Newark NJ

Vitro Mfg Co Div Vitro Corp of America 60 Greenway Dr Pittsburgh 4 Pa

Volkswagon of America Inc 476 Hudson Terrace Englewood Cliffs NJ

Voss Washer Co Kellogg Iowa

Vulcan Electric Co 88 Holten St Danvers Mass

Vulcan Metal Prods Inc 2801 Sixth Ave S Birmingham Ala

Vulcan Radiator Co 775 Capitol Ave Hartford Conn

W

W M Products Co 5425 Blossom Houston Tex

Wabash Screen Door Co 310 S Michigan Ave Chicago 4 Ill

Waco Transwall Folding Partition Div Waco Mfg Co 3565 Wooddale Ave Minneapolis 16 Minn

Wadsworth Howland & Co 80 Bedford St Boston Mass

Wadsworth Millwork Corp 416 Main St Wadsworth Ohio

Wagner Iron Works 1905 S First St Milwaukee 1 Wisc

Wagner Mfg Co 122 W First St Cedar Falls Iowa

Wahlstrom Bros Inc Natl Div 273 W Alameda Ave Burbank Cal

Wakefield Co Vermilion Ohio

Waldorf Heater Co 1421 Chestnut St Philadelphia 2 Pa

Wall Plugs Inc 8347 S Racine Chicago Ill

Wallace J D Co Inc Warsaw Ind

Wallace Mfg Co 10th & Fayette N Kansas City Mo

Wallboard Tool & Equipment Co 1708 Seabright Ave Long Beach Cal

Walton Laboratories Inc Irvington 11 NJ

Walters Mfg Co 140 Pennsylvania Allegheny City Oakmont Pa

Ware Laboratories Inc 3700 N W 25 St Miami Fla

Warp Brothers 1100 N Cicero St Chicago Ill

Warren-Knight Co 136 N Twelfth St Philadelphia 7 Pa

Warren Shade Co Inc 2907 E Hennepin Ave Minneapolis Minn

Warren Tool Corp PO Box 791 Warren Ohio

Wasco Products Inc Bay State Rd Cambridge 38 Mass

Washburn Co 28 Union St Worcester Mass

Washington Steel Prods 1940 E Eleventh St Tacoma 2 Wash

Waste King Corp 3300 East 50 St Los Angeles 58 Cal

Watco-Dennis Corp 1640 20th St Santa Monica Cal

Water-Boss PO Box 501 Herndon Va

Waterfilm Boilers 154 Ogden Ave Jersey City NJ

Waterloo Register Co Inc Waterloo Iowa

Watsontown Brick Co Watsontown Pa

Waukesha Motor Co St Paul Ave Waukesha Wisc

Waylite Co 20 N Wacker Dr Chicago 6 Ill

Wayne Chemical Prods Co Copeland & MCRR Detroit 17 Mich

Wayne Home Equipment Co Inc 801 Glasgow Ave Fort Wayne 4 Ind

Weather Seal Inc 324 Wooster Rd Barberton Ohio

Weatherbest Corp 986 Oliver St N Tonawanda NY

Weather-Bloc Co Inc 3718 N Southport Ave Chicago 13 Ill

Weatherproof Products Corp Waldo Station Box 8498 Kansas City 14 Mo

Webb Industries Inc Bay Village Ohio

Webb Mfg Co Inc 211 E Main Rd Conneaut Ohio

Weber Showcase & Fixture Co PO Box 11065 Kearney Station Los Angeles 11 Cal

Weber Showcase & Fixture Co Inc 1340 Monroe Ave NW Grand Rapids Mich

Weber Veneer & Plywood Co Shawano Wisc

Webster H E Lumber Co 1416 City National Bank Bldg Kansas City 6 Mo

Webster Electric Co 1900 Clark St Racine Wisc

Webster Warren & Co 17th & Federal Sts Camden 5 NJ

Wedgwood-Holly Appliance Co 8536 Hays St Culver City Cal

Weil-McLain Co Blaine St Michigan City Ind

Weil Pump Co 1530 N Fremont St Chicago 22 Ill

Weis Henry Mfg Co 941 Oak St Elkhart Ind

Weiser Co 4100 Ardmore Ave South Gate Cal

Weiskittel Co Inc 4901 Pulaski Hwy Baltimore 24 Md

Weissmuller Johnny Cinema Pools 1314 Clay St Oakland Cal

Wel-Bilt Products Co 917 Farnsworth Bldg Memphis 1 Tenn

Welbilt Stove Co 57-18 Flushing Ave Maspeth NY

Wells Aluminum Corp N Liberty Ind

Wells J W Lumber Co 2231 Tenth St Menominee Mich

Wen Products Inc 5806 N W Hwy Chicago 31 Ill

Wenczel Tile Co Klagg Ave Trenton NJ

Werner Canvas Prods Co 110 New York Ave Brooklyn 16 NY

Werner R D Co Inc Greenville Pa

Wesix Electric Heater Co 390 First St San Francisco Cal

Wessels Co 1625 E Euclid Ave Detroit 11 Mich

West Allis Concrete Prods Co 8704 W Schlinger Milwaukee Wisc

West Beatrice Color Inc 184 E 72 St New York 21 NY

West Coast Plywood Co PO Box 1180 Aberdeen Wash

West Virginia Brick Co PO Box 1071 Charleston W Va

West Wind Corp 1800 Airport Way Seattle 4 Wash

Western Door & Plywood Corp 1835 N W 17 St Portland 4 Ore

Western Lock Mfg Co 2075 Belgrave Huntington Pk Cal

Western Metal Specialty Co 1211 N 62 St Milwaukee 13 Wisc

Western Pine Mfg Co 315 E Jackson St Spokane 7 Wash

Western States Stone Co PO Box 312 Santa Clara Cal

Westinghouse Electric Appliance Div 246 E Fourth St Mansfield Ohio

Westinghouse Electric Corp PO Box 868 Pittsburgh Pa

Weyerhaeuser Co Silvatek Div Tacoma Bldg Tacoma 1 Wash

Weyerhaeuser Co Lumber & Plywood Div First Natl Bank Bldg St Paul 1 Minn

Wheeling Corrugating Co 1134 Market St Wheeling W Va

Wheeling Steel Corp 1134-1140 Market St Wheeling W Va

Whirlpool Corp Administration Bldg US 31 St Joseph Mich

White Creek Shingle Co Rockport Wash

White David Instrument Co 2051 N 19 St Milwaukee 5 Wisc

White Motor Co 842 E 79 St Cleveland 1 Ohio

White Pine Sash Co E 4005 Broadway Spokane Wash

White Products Corp 98 E Main St Middleville Mich

White-Rodgers Co 1209 Cass Ave St Louis 6 Mo

Whiteman Mfg Co 13020 Pierce Ave Pacoima Los Angeles Cal

Whitney Baxter D & Son Inc 507 Jackson Box 3428 Greensboro NC

Whitney Vincent Co PO Box 335 Sausalito Cal

Whizzer Industries Inc 350 S Sanford St Pontiac Mich

Wickwire Bros Inc 189 Main St Cortland NY

Wiegand Edwin L Co 7500 Thomas Blvd Pittsburgh 8 Pa

Wilbur & Williams Co 650 Pleasant St Norwood Mass

Wilcolator Co 1001 Newark Ave Elizabeth NJ

Wiley R & W Inc 119 Dearborn St Buffalo 7 NY

Wilke Metal Products Inc 1117 Drott St Schofield Wisc

Willamette Valley Lumber Co Box 5 Dallas Ore

Will-Burt Co Orrville Ohio

Williamina Clay Prods Co PO Box 6383 Tigard 23 Ore

Williams J L & Sons Sheridan Ark

Williams Oil-O-Matic Heating Co Div National Union Electric Corp 851 W Third Ave Columbus 3 Ohio

Williams & Voris Hardwood Co Jackson Miss

Williamson Co 3500 Madison Rd Cincinnati 9 Ohio

Willys Motors Inc 940 N Cove Blvd Toledo 1 Ohio

Wilson Grant Inc 141 W Jackson Blvd Chicago 4 Ill

Wilson J G Corp PO Box 599 Norfolk 1 Va

Wincharger Corp East Seventh & Division Sts Sioux City Iowa

Winco Ventilator Co 533 Bittner St St Louis 15 Mo

Windalume Corp Rt 46 Kenvil NJ

Windowmaster Corp 6600 N W 32 Ave Miami 47 Fla

Winfield Door Corp PO Lindenhurst LI NY

Winpower Mfg Co 1225 First Ave Newton Iowa

Winsulite Mfg Co 725 N Central Ave Baltimore 2 Md

Winter Seal Corp 14575 Meyers Rd Detroit 27 Mich

Winton Lumber Sales Co 3100 W Lake St Minneapolis 2 Minn

Wiremold Co Hartford 10 Conn

Wisco Inc 4015 Michigan Ave Detroit 10 Mich

Wisconsin Clock Co Inc 921 S Second St Milwaukee Wisc

Wisconsin Door Co 12550 Merriman Rd Livonia Mich

Wiss J & Sons Co 33 Littleton Ave Newark 7 NJ

Witt Cornice Co 4454 Steel Pl Cincinnati 9 Ohio

Witte Engine Works Oil Well Supply Div U S Steel Corp 1600 Oakland Ave Kansas City 26 Mo

Wodack Electric Tool Corp 4627 W Huron St Chicago 44 Ill

Wolverine Porcelain Enameling Co 3350 Scotten Ave Detroit 10 Mich

Wolverine Tube Calumet & Hecla Inc 17200 Southfield Rd Allen Park Mich

Wood Conversion Co 1st Natl Bank Bldg St Paul 1 Minn

Wood John Co Heater & Tank Div 100 Washington St Conshohocken Pa

Wood Metal Industries Kreamer Pa

Wood-Mosaic Corp Parkay Div 5000 Crittenden Dr Louisville Ky

Wood Shovel & Tool Co Box 818 Piqua Ohio

Wood Specialty Products Inc 24300 W 60 St Mountlake Terrace Wash

Wood Treating Chemicals Co 5137 Southwest Ave St Louis 10 Mo

Woodall Industries Inc 3500 Oakton Ave Skokie Ill

Woodco Corp 34th St & Plank Rd N Bergen NJ

Woodmack Products Inc 1980 N Eleventh St San Jose 12 Cal

Woodside Engineering Co 9208 Grand Ave Franklin Pk Ill

Woodville Lime Products Co 2140 Jefferson Ave Toledo 2 Ohio

Woodward Lee L Sons 317 Elm St Owosso Mich

Woodward Lumber Co Joseph Vance Bldg Seattle 1 Wash

Woolery Stone Co Inc PO Box 40 Bloomington Ind

Wooster Brush Co 604 Madison Ave Wooster Ohio

Wooster Products Inc Spruce St Wooster Ohio

Wooster Sealkote Co Wooster Ohio

Worthington Corp Harrison NJ

Wright Power Saw & Tool Corp Sub Thomas Industries 410 S Third St Louisville Ky

Wright Prods Inc St Paul Park Minn

Wright Mastic Tile Div Rubberoid Co 5200 Post Oak Rd Houston Tex

Wurdack Chemical Co 4977 Fyler Ave St Louis 9 Mo

Wyandotte Chemicals Corp Biddle Ave Wyandotte Mich

X

X-Pando Corp 43-15 36th St Long Island City 1 NY

Y

Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Philadelphia 15 Pa

Yale & Towne Mfg Co Yale Lock & Hardware Div 11 S Broadway White Plains NY

Yankee Hill Brick Mfg Co RFD 1 Lincoln 8 Neb

Yates-American Machine Co 729 Fourth St Beloit Wisc

Yawkey Bissell Hardwood Flooring Co White Lake Wisc

Yeck Mfg Co 579 Tecumseh St Dundee Mich

Yenkin-Majestic Paint Corp E Fifth Ave at Leonard Ave Columbus Ohio

Yeomans Bros Co 1999 N Ruby St Melrose Park Ill

Yoder Mfg Co 1823 E 17 St Little Rock Ark

York Corp Sub Borg-Warner Grantley Rd York Pa

York-Shipley Inc Jessop & PRR York Pa

York Wall Paper Co 750 Linden Ave York Pa

Young L A Spring & Wire Corp 498 Lehman Ave Bowling Green Ohio

Young Radiator Co 709 S Marquette St Racine Wisc

Youngblood Lumber Co 1335 Central Ave Minn 13 Minn

Youngstown Kitchens Warren Ohio

Youngstown Mfg Inc 60-66 S Prospect Youngstown Ohio

Youngstown Sheet & Tube Co PO Box 900 Youngstown 1 Ohio

Z

Zegers Inc 8090 S Chicago Ave Chicago 17 Ill

Zenith Metal Products Co Primos Pa

Zink John Co 4401 S Peoria Tulsa 5 Okla

Zinsser William & Co Inc 319 North Western Ave Chicago Ill

Zonolite Co 135 LaSalle St Chicago 3 Ill

Zoss Lader & Mfg Co 4901 S W Macadam Ave PO Box 808 Portland 7 Ore

Zurn Industries Inc Plumbing Products Div 1881 Pittsburgh Ave Erie Pa

Building products and equipment are presented here, alphabetically. The manufacturers who make them are listed under each product heading. For complete address of any manufacturer, turn to Section 2.

Abrasive Paper & Cloth

Abrasive Products Inc
Bay State Abrasive Products Co
Behr-Manning Co
Carborundum Co
DeWalt Div AMF
Merit Products Inc
Minnesota Mining & Mfg Co
Pittsburgh Plate Glass Co
Thor Power Tool Co

Access Doors (See Doors, Access)

Acoustical Ceilings, Grid Systems For

Cupples Products Corp

Acoustical Materials (See also Plaster, Acoustical)

Armstrong Cork Co
Baldwin-Ehret-Hill Inc
Bestwall Gypsum Co
Celotex Corp
Cemex of Arizona
Cupples Products Corp
Curtiss Wright Corp Curon Div
E G Building Fasteners Corp
Eastern Machine Products Co
Erdle Perforating Co Inc
Goodrich B F Co Flooring Products
Gustin-Bacon Mfg Co
Henry W W Co
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kaiser Gypsum Co Inc
Keasbey & Mattison Co
Lockport Mills Inc
Mastro Plastics Corp
National Aluminum Co
National Gypsum Co
Owens-Corning Fiberglas Corp
Pioneer Div Flintkote Co
Reynolds Aluminum Supply Co
Reynolds Metals Co
Rigidized Metals Corp
Simpson Logging Co
Taylor Bedding Mfg Co INS-Cotton Div
Tectum Corp
Texas Vermiculite Co
Tiger Brands Div Basic Inc
United States Gypsum Co
U S Mineral Wool Co
Wood Conversion Co
Zonolite Co

Adhesives

Abestos Manufacturing Co
Aetna Plywood & Veneer Co
AFCO Corp
Allied Chemical Corp Barrett Div
Ambroid Co
American Biltrite Rubber Co
American Bitumuls & Asphalt Co
American Sta-Dri Co
Armstrong Cork Co
Asphalt Corp of America
Azrock Floor Products Div
Barclay Mfg Co Inc
Biddle Co
Bird & Son Inc
Bonafide Mills Inc
Borden Chemical Co Div Borden Co
Bruce E L Co
Cabot Samuel Inc
Cambridge Tile Mfg Co
Camp Co Inc
Carey Philip Mfg Co
Congoleum-Nairn Inc
Consoweld Corp
Crown Tile Corp
Dad & Lad Co
Dasco Co Inc
Devices Div of Miracle Adhesives Corp
Dodge Cork Co Inc
Dupont de Nemours & Co Inc E I
Elastizell Corp of America
Fiberboard Paper Products Inc
Findley F G Co
Flexrock Co
Flintkote Co
Formica Corp
Fuller H B Co
Gen Tire & Rub Co Bldg Materials Div
Goodrich B F Co Flooring Products
Goodrich B F Industrial Products Co
Hachmeister-Inc
Harbor Plywood Corp
Hayes Adhesives Co Inc
Henry W W Co
Higgins Industries Inc
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kaiser Mfg Inc
Kentile Inc
Kochton Plywood & Veneer Co Inc
Koppers Co Inc
LePage's Inc
Loxit Systems Inc
Lux Co Inc
Madison Glue Corp
Marsh Wall Products Inc
Marvan Corp
Mastic Tile Div Ruberoid Co
Midcontinent Adhesive Co
Midwest Plywood Co
Milwaukee Plywood Co
Minnesota Mining & Mfg Co
Miracle Adhesives Corp
Miraplas Tile Co
Monsanto Chemical Co Plastics Div
Moore Goodloe E Inc
Mortell J W Co
National Casein Co
Nicholson & Co
Pecora Inc
Pioneer Div Flintkote Co
Pittsburgh Plate Glass Co
Plastic Products Co
Plymold Co
Prestile Mfg Co
Roddis Plywood Corp
Ruberoid Co
St Regis Paper Co Panelyte Div
Schalk Chemical Co
Seick Walter E & Co
Sheffield Bronze Paint Corp
Silvercote Products Inc
Sonneborn L Sons Inc
Standard Paste & Glue Co Inc
Stay-Tite Products Co
Steelcote Manufacturing Co
Structural Prods Div Natl Starch & Chem
Tamms Industries Co
Tex-A-Panel Mfg Co
Thomas Moulding Floor Co Inc
Tilemaster Corp
Tufcrete Co Inc
United States Gypsum Co
United States Plywood Corp
United States Rubber Co
United Wallpaper Co
Wallace Mfg Co
Wasco Products Inc
Wright Mastic Tile Div Ruberoid Co
Wurdack Chemical Co
X-Pando Corp

Aggregates For Roofing (See Roofing, Aggregates For)

Aggregates, Lightweight

Carter-Waters Corp
Dodson Mfg Co Inc
Graybeal C R & Sons
Great Lakes Carbon Corp Perlite Dept
Johns-Manville Corp
Norton Co
Texas Vermiculite Co
Tiger Brands Div Basic Inc
Vermiculite-Northwest Inc
Waylite Co
Zonolite Co

Air Cleaners (See also Dehumidifiers)

American Air Filter Co
Ductless Hood Co Inc
General Cable Corp

Turn to Section 2—Manufacturers Directory for all addresses

Lennox Industries Inc
Minneapolis Honeywell Regulator
Mueller Climatrol Div Worthington Corp
Radex Corp
Research Products Corp
Rybolt Heater Co
Skuttle Mfg Co
Trion Inc
Westinghouse Electric Corp

Air Compressors

C & H Electric Machine Co
Carrier Corp
Chicago Pneumatic Tool Co
Dayton Electric Mfg Co
Devilbiss Co
Gardner-Denver Co
George F C Machine Co
Ingersoll-Rand Co
Jaeger Machine Co
Le Roi Div Westinghouse Air Brake Co
Lithibar Co
Master Mechanic Mfg Co
Pittsburgh Plate Glass Co
Thomas Ind Inc Electric Sprayit Div
United States Air Compressor Co
Worthington Corp

Air Conditioners, Baseboard

Barkow Aug G Mfg Co Inc
Premier Furnace Co
United States Register Co
Woodside Engineering Co

Air Conditioners, Central Systems

Acme Industries Inc
Airtemp Div Chrysler Corp
Amana Refrigeration Inc
American Furnace Co
American Radiator & Standard Sanitary
American Standard Air Conditioning Div
American Standard American Blower Div
Amer-Standard Plumbing & Heating Div
Arkla Air Conditioning Corp
Armstrong Furn Co Div Natl U E
Bar-Brook Mfg Co
Bard Mfg Co
Barkow Aug G Mfg Co Inc
Bryant Manufacturing Co
Buffalo Forge Co
Burnham Boiler Corp
Burnham Corp Warm Air & Cooling Div
Carrier Corp
Chattanooga Royal Co
Clarage Fan Co
Coleman Co Inc
Comfort Products Inc
Coolerator McGraw-Edison
Crane Co
Day & Night Mfg Co
Delco Appliance Div General Motors
Dowagiac Steel Furnace Co
Drayson-Hanson Div Natl U S Rad Corp
Dunham-Bush Inc
Embassy Steel Prods Inc
Gaffers & Sattler
General Air Conditioning Corp
General Automatic Products Corp
General Elec Co Air Conditioning Dept
Gen Elec Co Appliance & Television Div
Gilbert & Barker Mfg Co
Great Northern Mfg Corp
Halstead & Mitchell
Heil-Quaker Corp
Henry Furnace Co
Holly-General Co Div Siegler Corp
Janitrol Heating & Air Conditioning Div
Johnson S T Co
Lennox Industries Inc
Majestic Co Inc
Master Mechanic Mfg Co
Mathes Co Div Glen Alden Corp
Mayflower Air-Conditioners Inc
McQuay Inc
Meyer Furnace Co
Modine Mfg Co
Morrison Steel Products Inc
Mueller Climatrol Div Worthington Corp
Muncie Gear Co
National Gas Equipment Co Inc
National-U S Radiator Corp
Niagara Furnace Div Forest City Fdy Co
Olsen C A Mfg Co
Patten J V Co
Payne Co
Peerless Corp
Penn Boiler & Burner Mfg Corp
Perfection Industries Div Hupp Corp
Philco Corp
Pioneer Manufacturing Co
Premier Furnace Co
Radiation Furnace Corp
Reflectotherm Inc
Remington Air Conditioning Div
Rempe Co
Rheem Mfg Co
Roberts Gordon Appliance Corp
Rybolt Heater Co
Sequoia Manufacturing Co
Smith A O Corp Permaglas Div
Stewart-Warner Corp Htg & Air Con Div
Stratton Terstegge Co
Thatcher Furnace Co
Toridheet Div Cleveland Steel Prod Corp
Trane Co
Typhoon Air Cond Co Div Hupp Corp
United States Air Conditioning Corp
Viking Mfg Corp
Webster Warren & Co
Weil-McLain Co
Westinghouse Electric Corp
Whirlpool Corp
Williams Oil-O-Matic Heating Co Div
Williamson Co
Wood John Co Heater & Tank Div
Worthington Corp
York Corp Sub Borg-Warner
Young Radiator Co
Zink John Co

Air Conditioners, Room Units

Admiral Corp
Airtemp Div Chrysler Corp
Amana Refrigeration Inc
American Coils Co
American Radiator & Standard Sanitary
Barkow Aug G Mfg Co Inc
Brown Prods Co
Burnham Corp Warm Air & Cooling Div
Carrier Corp
Coolerator McGraw-Edison
Delco Appliance Div General Motors
Drayson-Hanson Div Natl U S Rad Corp
Emerson Electric Mfg Co
Emerson Radio & Phone Corp
Frigidaire Div General Motors Corp
Gen Elec Co Appliance & Television Div
Gibson Refrigerator Co Div Hupp Corp
Hotpoint Div
Kelvinator Div American Motors Co
King Refrigerator Corp
Kritzer Radiant Coils Inc
Mathes Co Div Glen Alden Corp
McQuay Inc
Morrison Steel Products Inc
National-U S Radiator Corp
Remington Air Conditioning Div
Tuck-Aire Furnace Co
Weibilt Stove Co
Westinghouse Electric Appliance Div
Westinghouse Electric Corp
Whirlpool Corp
York Corp Sub Borg-Warner
Young Radiator Co

Air Conditioning Controls (See Controls, Heating & Air Conditioning)

Air-Supported Buildings

Birdair Structures Inc

Alarms, Fire & Burglar

Benjamin Electric Co
Diebold Inc
Edwards Co Inc
Federal Sign & Signal Corp
Home Music Systems Inc
Minneapolis Honeywell Regulator
Mosler Safe Co
Thorland Automatic Fire Alarms Co

Aluminum Pipe (See Pipe & Tubing, Aluminum)

Aluminum Roofing (See Roofing & Siding, Aluminum)

Aluminum Windows (See Windows & Doors, Combination)

Anchors, Building

Adams Co
Akron Products Co
Arro Expansion Bolt Co
Baumgartner Gate Factory
Bulldog Div Gregory Industries Inc
Chicago Expansion Bolt Co
Cleveland Steel Specialty Co
Conver Steel & Wire Co
Copperweld Steel Co Wire & Cable Div
Dayton Sure-Grip & Shore Co
Diamond Expansion Bolt Co Inc
Donley Brothers Co
Flash Bridge Co

Flash **FRAMING ANCHORS**

"Center of Construction Strength"

Constructed of 18 gauge steel for immediate use as anchor plate supports for framing rafters, joists, studs, etc. One anchor fits all!

Manufactured by

FLASH BRIDGE CO., HOLLAND, MICH.

Hawkeye Sales Co
Holub Industries Inc
Ideal Hanger Co
Jordan Industries
Kees F D Mfg Co

TIMBERLOCK FRAMING ANCHORS

. . . offer greatest flexibility plus extra strength factors in construction. Precision manufactured of 18 gauge galvanized steel; measure 4⅞" in length.

F. D. KEES MFG. CO.
Box 762 Beatrice, Nebraska

Laclede Steel Co
Lanebro Mfg Co
Merwin Mfg Co
Met-Cro Specialties Co Inc

Molly Corp
Nalle Plastics Inc
National Lead Co
Paine Co
Ramset Fastening System
Rawplug Co Inc
Reynolds Aluminum Supply Co
Sommer Metalcraft Corp
Star Expansion Industries Corp
Tennison Bros Inc
Timber Engineering Co
Timber Fasteners Inc
U S Expansion Bolt Co
Universal Form Clamp Co
Wagner Mfg Co
Wall Plugs Inc
Woodmack Products Inc
Yeck Mfg Co

Antennas, TV

Mosley Electronics Inc
R C A Service Co Div of R C A

Appliances, Kitchen (See Dishwashers, Ovens, Ranges, Etc.)

Areawalls & Guards

Acme-Newport Steel Co
Adams Co
Armco Drainage & Metal Products
Cleveland Steel Specialty Co
Donley Brothers Co
Harris Inc
Inland Steel Products Co
Kewanee Mfg Co
Majestic Co Inc
Morgan-Wightman Co
Saint Paul Corrugating Co
Syro Steel Co
Tennison Bros Inc
United Steel Fabricators Inc
Vestal Mfg Co
Wheeling Corrugating Co

Asbestos Cement Board (See Wallboard, Asbestos Cement)

Asbestos Cement Roofing & Shingles (See Roofing, Asbestos Cement)

Asphalt Tile (See Tile, Asphalt, Floor)

Awnings & Canopies, Canvas (See Canvas, Canvas Products)

Awnings & Canopies, Metal

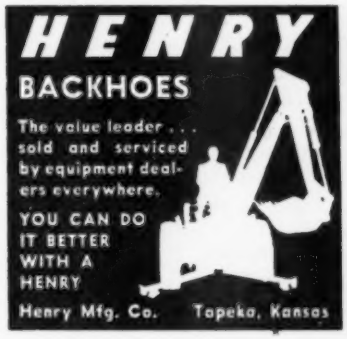
Air Control Products Inc
Atco Aluminum Products
Berg F O Co
Bridgeport Brass Co
Bridgeport Brass Co Hunter Douglas Div
Carey-McFall Co
Chamberlin Co of America
Consolidated General Prod Inc
Eastern Machine Products Co
Hastings Aluminum Products Inc
Hettrick W E & Son Co
Humphrey Products Inc
Jones Shutter Products
Kawneer Co
Kingsford Ornamental Building Prods
Koolvent Metal Awning Corp of America
Leigh Bldg Prods Div Air Con Prods Inc
Morgan-Wightman Co
Orchard Bros Inc Alumaroll Products Co
Regal Products Corp
Reynolds Aluminum Supply Co
Russel F C Co
Security Aluminum Co
State Metal Awnings Inc
Sterling Awning Co Bldg Materials Div
Textron Metals Co
Troy Sunshade Co
Victor Tool & Machine Corp

Awnings & Canopies, Plastic

Chamberlin Co of America
Filon Plastics Corp
Hoosier Tarpaulin & Canvas Goods Co
Jones Shutter Products
Ray-O-Lite Corp of America
Reynolds Aluminum Supply Co
Structoglas Inc
Weather Seal Inc

Backhoes

Allis Chalmers Mfg Constr Mach Div
American Hoist & Derrick Co
Badger Div The Warner & Swasey Co
Bucyrus-Erie Co
Case J I Co
Ford Motor Co Tractor & Implement Div
Gar Wood Industries Inc
General Engines Co Inc
Henry Manufacturing Co Inc



Hough Frank Co
John Deere Industrial Div
Koehring Co
Massey-Ferguson Industrial Div
Northwest Engineering Co
Oliver Corp
Ottawa Steel Div Young Spring & Wire
Schield Bantam Co
Shawnee Mfg Co Dept of Parsons Co Div
Sherman Products Inc
Tractomotive Corp
Wagner Iron Works
Wood Shovel & Tool Co

Balances, Sash (See Sash Balances)

Barricades & Barricade Lights

Dietz R E Co
Pacific Mercury Marketing Div

Barriers, Vapor (See Vapor Barriers)

Bars, Reinforcing (See Reinforcing Bars & Mesh)

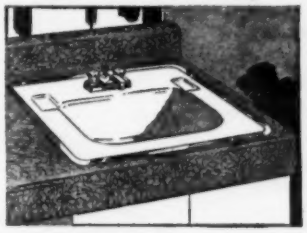
Base, Mold Metal (See Moldings, Metal)

Base, Plastic (See Moldings, Plastic)

Base, Rubber (See Moldings, Rubber)

Bathroom Accessories (See also Vanities, Lavatory)

Air Control Products Inc
American Olean Tile Co
Bemis Mfg Co
Borg-Warner Corp Ingersoll Humphryes
Bridgeport Brass Co
Carey Philip Mfg Co
Carthage Marble Corp
Cole Prods Corp
Columbus Plastic Prods Inc
Crane Co
Cutler Metal Prods Co
Ekco Products Co Ekco-Autoyre Div
General Bathroom Products Corp
General Chrome Inc
Glissade Inc
Great Northern Mfg Corp
Grote Mfg Co
Hall-Mack Co
Handy Things Mfg Co
Hollaender Manufacturing Co
Hoover Bathroom Accessories
Irmanton Products Co
Kennatrack Corp Sub Ekco Prods
Ketcham G M Mfg Corp
Kitchen Maid Corp
Knape & Vogt Mfg Co
Kohler Co

KOHLER
Lavatories for building-in

THE TAHOE
THE ARROWHEAD
THE RADIANT
KOHLER OF KOHLER
Kohler Co., Kohler, Wis.

Kraus Walter S Co
Lawson F H Co
Lehman Sprayshield Co
Lehon Co
Miami Cabinet Div Philip Carey Mfg
Miraplas Tile Co
Mirro Chrome Co Inc
Misceramic Tile
Morgan-Wightman Co

BATHROOM ACCESSORIES
HALL-MACK
MIAMI-CAREY
MORGAN-WIGHTMAN
National Quality Supply House
WRITE FOR NEW 188 PAGE CATALOG
9910 PAGE - ST. LOUIS, MO.

Turn to Section 2—Manufacturers Directory for all addresses

Mosaic Tile Co
National Tile & Mfg Co
National Vanity Co
Northern Industries Inc
NuTone Inc
Owens-Illinois
Pittsburgh Plate Glass Co
Rayco Products Inc
Reed Cromex Corp
Sani-Top Inc
Sea-Chrome Inc
Selck Walter E & Co
Sherle-Wagner
Standard Building Products Co
Standard Steel Cabinet Co
Sterling Precision Plastics Div
Stewart Industries Inc
Stylon Corp
Tiffany Mfg Co Inc
Trego Industries
Turner & Seymour Mfg Co
Universal-Rundle Corp
Wasco Products Inc
Webb Industries Inc
Weis Henry Mfg Co
Wenczel Tile Co
Werner Canvas Prods Co
Yale & Towne Mfg Co
Zenith Metal Products Co

Bathroom Fixtures
(See Plumbing Fixtures)

Bathroom Heaters
(See Heaters, Bathroom)

Bathtub Enclosures
(See Doors, Shower & Bathtub)

Bathtubs
(See Plumbing Fixtures)

Bead, Corner Metal
(See Lath, Metal & Accessories)

Beams, Concrete

West Allis Concrete Prods Co

Beams, Steel
(See Steel, Structural)

Beams, Wood Laminated

Bradley Southern Div Potlatch Forests
Jones Industries
Mauk Seattle Lumber Co
McKeown Bros Co
Prefabricated Prods Co Inc
Rilco Laminated Prods Inc
Super-Structures Inc
Timber Structures Inc
Unit Structures Inc

Bells & Chimes, Door
(See Door Bells & Chimes)

Birch Lumber
(See Lumber, Birch)

Bits, Auger
(See Tools, Carpenter, Hand)

Bits, Saw
(See Saws)

Blackboards & Chalkboards

Benjamin Electric Co
Ingram-Richardson Mfg Co
United States Plywood Corp

Blades, Saw, Circular

Deluxe Saw & Tool Co
Milwaukee Elec Tool Corp
Parker Mfg Co
Producers & Distributors Inc
Remington Arms Co Inc
Rocco Prods Inc
Rockwell Mfg Delta Power Tool Div
Skil Corp
Speedway Mfg Div Thor Power Tool Co

Blades, Saw, Masonry

Bay State Abrasive Products Co
Black & Decker Mfg Co
Carborundum Co
Clipper Mfg Co
Columbia Brick Works
Dewalt Div AMF
Eveready Briksaw Co
General Engines Co Inc
Goldblatt Tool Co
Milwaukee Elec Tool Corp
Norton Co
Remington Arms Co Inc
Simmonds Abrasive Co
Speedway Mfg Div Thor Power Tool Co
Stone Machinery Co
Thor Power Tool Co
Victor Inc

Blocks, Glass
(See Glass Blocks)

Board, Insulating
(See Insulating Board)

Boilers, Steam & Hot Water
(See Heating Systems, Hot Water & Steam)

Bonding Agents, Plaster & Concrete

Abesto Mfg Co
Allied Chemical Corp Barrett Div
Allied Compositions Co Inc
Anti Hydro Waterproofing Co
Bestwall Gypsum Co
Camp Co Inc
Ceresit Waterproofing Corp
Dewey & Almy Chem Div W R Grace Co
Goldblatt Tool Co
Kaiser Mfg Inc
Kay-Tite Co
Larsen Products Corp
Maguire Walter Co Inc
National Gypsum Co
Nu-Wall Mfg Co
Ohio Lime Co
Penn Crete Prods Co
Permagile Corp of America

PERMAGILE
WELDS MASONRY MATERIALS
Write for literature giving full information.
PERMAGILE CORP. of AMERICA
34-43 fifty-sixth Street
Woodside 77, N.Y.

Ranetite Mfg Co
Sonneborn L Sons Inc
Standard Dry Wall Products Inc
Steelcote Manufacturing Co
Sullivan Co The
Tamms Industries Co
Tufcrete Co Inc
United States Gypsum Co
Wurdack Chemical Co

Books, Building & Plan
(See Plans, Services & Books)

Booster Pumps, Heating
(See Pumps, Booster)

Brass Pipe
(See Pipe & Tubing, Brass)

Breakfast Nooks
(See Nooks, Dining)

Brick, Common & Face

Acme Brick Co
Acme Shale Brick Co Inc
Belden Brick Co
Black Hills Clay Products Co
Bowerston Shale Co
Brookhaven Pressed Brick Mfg Co
Builders Brick Co
Charleston Clay Prods Co
Cherokee Brick & Tile Co
Chicago Fire Brick Co
Clay City Pipe Co
Columbia Brick Works
Elgin-Standard Brick Mfg Co
Evans Brick Co
General Clay Products Co
Hanley Co
Harrisville Brick Co
Hattiesburg Brick Works
Hope Brick Works
Humboldt Brick & Tile Co
Illinois Brick Co
Interstate Brick Co
Jenkins Brick Co
Kendrick Brick & Tile Co
Mason City Brick & Tile
Metropolitan Brick Inc
Midland Brick & Tile Co
Moorhead Brick & Tile Co
Natco Corp
Paxton Brick Co
Peoria Brick & Tile Co
Robinson Clay Product Co
Rockford Brick & Tile Co
Sacramento Brick Co
Sheridan Press Brick & Tile Co
Standard Brick & Tile Corp
Stone Creek Brick Co
Summit Pressed Brick & Tile Co
Summitville Tiles Inc
Texas Brick Co
United Brick & Tile Co
Watsontown Brick Co
West Virginia Brick Co
Williamina Clay Prods Co
Yankee Hill Brick Mfg Co

Brick, Fire

Acme Brick Co
Armstrong Cork Co
Builders Brick Co
Chicago Fire Brick Co
Columbia Brick Works
Elgin-Standard Brick Mfg Co
Evans Brick Co
Green A P Fire Brick Co
Johns-Manville Corp
Robinson Clay Product Co

Brick Paint
(See Paints & Coatings, Concrete, Brick, Stucco)

Brick, SCR

Acme Brick Co
Acme Shale Brick Co Inc
Black Hills Clay Products Co
Builders Brick Co
Cherokee Brick & Tile Co
Chicago Fire Brick Co
Elgin-Standard Brick Mfg Co
Humboldt Brick & Tile Co
Interstate Brick Co
Kendrick Brick & Tile Co
Mason City Brick & Tile
Metropolitan Brick Inc
Natco Corp
Peoria Brick & Tile Co
Robinson Brick & Tile Co
Rockford Brick & Tile Co
Summit Pressed Brick & Tile Co
United Brick & Tile Co

Bridging, Steel
(See Steel, Structural)

Buckets, Clamshell

Koehring Co
Ottawa Steel Div Young Sprg & Wire
Schield Bantam Co

Buckets, Concrete

Bil-Jax Inc
Fortex Industries Inc
Gar-Bro Mfg Co
Koehring Co
Massey-Ferguson Industrial Div
Ottawa Steel Div Young Spring & Wire
Reeves Steel & Mfg Co Div
Schield Bantam Co
United States Steel Prods Div U S Steel
Wheeling Corrugating Co

Building Paper
(See Paper, Building)

Building Stone

Briar Hill Stone Co
Empire Stone Co
Finger Lakes Stone Co Inc
Fond Du Lac Stone Co Inc
Indiana Limestone Co Inc

Buildings, Air-Supported
(See Air-Supported Buildings)

Buildings, Metal

Armco Drainage & Metal Products
Belson Mfg Co
Bethlehem Steel Co
Butler Mfg Co
Ceco Steel Prods Corp
Childers Mfg Co
Cuckler Steel Span Co
Inland Steel Products Co
International Steel Co
Luria Engineering Co
Macomber Inc
Mesker George L Steel Corp
Michel & Pfeffer Iron Works Inc
Nuside Metal Products Inc
Prefabricated Prods Co Inc
Republic Steel Corp
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Soule Steel Co
Stran-Steel Corp Div Natl Steel Corp
United Steel Fabricators Inc

Bulldozer Attachments

John Deere Industrial Div
Vermeer Manufacturing Co

Bulldozers

Allis Chalmers Mfg Constr Mach Div
Arps Corp
Case J I Co
Caterpillar Tractor Co
Drott Mfg Corp
Eimco Corp
Fleco Corp
Ford Motor Co Tractor & Implement Div
Gar Wood Industries Inc
General Engines Co Inc
John Deere Industrial Div.
LeTourneau-Westinghouse Co
Massey-Ferguson Industrial Div
Oliver Corp
Ottawa Steel Div Young Sprg & Wire
Servis Equipment Co
Wagner Iron Works

Business Systems & Forms

Accountants Supply House
Autographic Business Forms Inc
Dick A B Co
Diebold Inc
Dodge F W Corp

DODGE REPORTS

HELP CONTRACTORS
GET MORE BUSINESS
IN NEW CONSTRUCTION

Daily, accurate construction news service throughout the 37 Eastern states. Write for booklet: "Dodge Reports—How to Use Them Effectively."

F. W. DODGE CORPORATION
Construction News Division
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Egry Register Co
Ideal System Co
International Business Machines Corp
Momar Industries
Moore Business Forms Inc
National Cash Register Co
Remington Rand Div Sperry Rand
Standard Register Co
Sunroc Corp
Tedrick Bros Mfg Co Inc
Victor Adding Machine Co

Cabinet Hardware
(See Hardware, Cabinet)

Cabinets, Bookcase & Locker, Steel

Alan Wood Steel Co Penco Div
Lyon Metal Products Inc

Cabinets, Kitchen
(See Kitchen Cabinets, Metal or Wood)

Cabinets, Medicine & Bathroom

Adams Engineering Co
Atkins Wood Products Corp
Bennett Mfg Co
Caradco Inc
Carey Philip Mfg Co
Columbia Metal Box Co
Crane Co
Eljer Div Murray Corp of America
Farley & Loetscher Mfg Co
Fuller W P & Co
General Bathroom Products Corp
General Metalcraft Inc Olympia Div
Glass Shower Door Co Inc
Glissade Inc
Grote Mfg Co
Hoover Bathroom Accessories
Ideal Co Mfg Div Wm Cameron & Co
Jenssen Industries
Ketcham G M Mfg Corp
Kitchen Maid Corp
Lau Blower Co
Lawson F H Co
Lehon Co
Miami Cabinet Div Philip Carey Mfg
Mirro Chrome Co Inc
Morgan-Wightman Co

BATHROOM CABINETS
MORGAN-WIGHTMAN
National Swatch Supply House
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National Metal-Art Mfg Co
National Steel Cabinet Co
National Vanity Co
Norman W F Sheet Metal Mfg Co
Ohio Stamping Products Co
Rieter Woodwork Specialty Co
Standard Steel Cabinet Co
Tiffany Mfg Co Inc
Toledo Plate & Window Glass Co
Topcraft Inc
Tracy-American Kitchens
United Metal Cabinet Corp
Zenith Metal Products Co

Cabinets, Shower
(See Shower Stalls)

Cables, Heating

General Electric Co Const Materials

Calcium Chloride
(See Concrete, Calcium Chloride For)

Canvas, Canvas Products

Berg F O Co
Cabot Samuel Inc
Columbus Coated Fabrics Corp
Fulton Cotton Mills
Goss J C Co
Hoosier Tarpaulin & Canvas Goods Co
Industrial Canvas Prods Corp
Reynolds Aluminum Supply Co
Standard Coated Prods Inc
Troy Sunshade Co
Tucker Duck & Rubber Co
Werner Canvas Prods Co

Carpeting

American Biltrite Rubber Co
Armstrong Cork Co

Turn to Section 2—Manufacturers Directory for all addresses

Bigelow-Sanford Carpet Co Inc
Fiberboard Paper Prods Inc
Kingston Mills Inc
Kochton Plywood & Veneer Co Inc
Ludlow Papers Inc
Masland C H & Sons
Smith Alexander

Carports, Prefabricated

Atco Aluminum Products
Bridgeport Brass Co
Childers Mfg Co
Jones Shutter Products
Orchard Bros Inc Alumaroll Products Co
Panelfab Products Inc
Pennsylvania Wire Glass Co
Prefabricated Prods Co Inc
Security Aluminum Co

Casing, Metal (See also Lath, Metal or Moldings, Metal)

Alabama Metal Lath Co Inc
Bestwall Gypsum Co
Bostwick Steel Lath Co
Casings Inc & Drywall Trim Div
Ceco Steel Prods Corp
Croft Metal Products Inc
Edco Products Inc
Fenestra Inc
Firpine Products Co
Goldsmith Metal Lath Co
Inland Steel Products Co
Miraplas Tile Co
National Gypsum Co
Penn Metal Co Inc
Republic Steel Corp Truscon Div
Russell F C Co
Soule Steel Co
Tennison Bros Inc
Vento Steel Products Co Inc

Cast Iron Pipe (See Pipe, Cast Iron)

Caulking & Glazing Compounds

Abesto Mfg Co
All-Metal Weatherstrip Co
Allied Chemical Corp Barrett Div
Alside Inc
American Asbestos Product Co
Anti Hydro Waterproofing Co
Arco Co
Asphalt Corp of America
Baltz Robert N & Co Inc
Barclay Mfg Co Inc
Biddle Co
Calbar Paint & Varnish Co
Carey Philip Mfg Co
Ceresit Waterproofing Corp
Certain-Teed Sales Corp
Chamberlin Co of America
Dad & Lad Co
Devoe & Raynolds Co Inc
Dicks Armstrong Pontius Inc
Division Lead Co
Douglas & Sturgess
Flintkote Co
Forrers Div Spray-O-Bond Co
Glidden Co
Henry W W Co
Horn A C Companies Div Sun Chem Corp
Johns-Manville Corp
Lastik Paint Inc
Lawrence W W & Co
Lucas John & Co Inc
Macklanburg-Duncan Co
Marsh Wall Products Inc
Martin-Senour Co
McGuffie Co
Meadows W R Inc
Minwax Co Inc
Miracle Adhesives Corp
Monroe Co Inc
Mortell J W Co
National Mfg Corp
Parker Ira & Sons
Parr Paint & Color Co
Pecora Inc
Pemko Mfg Co
Pioneer Div Flintkote Co
Pittsburgh Plate Glass Co
Plastic Products Co
Presstite Div American-Marietta Co
Quartz Mosaic Inc
Quigley Co Inc
Ranetite Mfg Co
Ruberoid Co
Rutland Fire Clay Co
Sager Weatherstrip & Caulking
Schalk Chemical Co
Seal Rite Caulking Co
Sherwin-Williams Co
Sika Chemical Corp
Smooth-on Mfg Co
Sonneborn L Sons Inc
Stay-Tite Products Co
Steelcote Manufacturing Co
Sterling Quality Products Inc
Sullivan Co The
Tamms Industries Co
Toch Bros
Tremco Mfg Co
Truscon Labs Inc
United Gilsonite Laboratories
United States Gypsum Co
Wilbur & Williams Co
X-Pando Corp

Cedar Lining, Closets

Chickamauga Cedar Co Inc
DeSoto Hardwood Floor Co
Giles & Kendall
Osage Prods Co
United States Plywood Corp

Ceiling Jacks (See Jacks, Ceiling)

Ceiling Tile, Acoustical (See Plaster, Acoustical)

Ceilings, Suspended (See Lath, Metal)

Cellar Doors (See Doors, Cellar, Bulkhead, Metal)

Cement, Keenes

Bestwall Gypsum Co
Celotex Corp
Flintkote Co
National Gypsum Co
Ohio Lime Co
United States Gypsum Co

Cement, Masonry

Alpha Portland Cement Co
Arkansas Cement Corp
Ash Grove Lime & Portland Cement Co
Chicago Fire Brick Co
Corson G & W H Inc
Dasco Co Inc
Dewey Portland Cement Co
Flintkote Co
General Portland Cement Co
Ideal Cement Co
Kosmos Portland Cement Co
Lehigh Portland Cement Co
Lone Star Cement Corp
Langview Lime Corp
Louisville Cement Co
Marquette Cement Mfg Co
Medusa Portland Cement Co
Penn-Dixie Cement Corp
Permanente Cement Co
Pittsburgh Plate Glass Co
Southern Cement Co American-Marietta
Standard Lime & Cement Co
Tiger Brands Div Basic Inc
Universal Atlas Cem Div US Steel Corp
X-Pando Corp

Cement, Portland

Alpha Portland Cement Co
Arkansas Cement Corp
Ash Grove Lime & Portland Cement Co
Chicago Fire Brick Co
Columbia Brick Works
Dewey Portland Cement Co
Flintkote Co
General Portland Cement Co
Ideal Cement Co
Kosmos Portland Cement Co
Lehigh Portland Cement Co
Lone Star Cement Corp
Louisville Cement Co
Marquette Cement Mfg Co
Medusa Portland Cement Co
Penn-Dixie Cement Corp
Permanente Cement Co
Pittsburgh Plate Glass Co
Southern Cement Co American-Marietta
Standard Lime & Cement Co
Universal Atlas Cem Div US Steel Corp

Cement, Roofing

Abesto Manufacturing Co
Allied Chemical Corp Barrett Div
American Asbestos Product Co
Bird & Son Inc
Borden Chemical Co Div Borden Co
Carey Philip Mfg Co
Celotex Corp
Certain-Teed Sales Corp
Dad & Lad Co
Devoe & Raynolds Co Inc
Donley Brothers Co
Flexrock Co
Flintkote Co
Fry Lloyd A Roofing Co
Henry W W Co
Horn A C Companies Div Sun Chem Corp
Johns-Manville Corp
Koppers Co Inc
Lastik Paint Inc
Lehon Co
Logan-Long Co
National Mfg Corp
Pecora Inc
Pittsburgh Plate Glass Co
Presstite Div American-Marietta Co
Ruberoid Co
Rutland Fire Clay Co
Sonneborn L Sons Inc
Sullivan Co The
Surface Protection Co Inc
United Gilsonite Laboratories
United States Gypsum Co

Cement, Tile, Mastic Type

Alloy Tile Corp
American Biltrite Rubber Co
American Bitumuls & Asphalt Co
Armstrong Cork Co
Azrock Floor Prods Div Uvalde Rock
Barclay Mfg Co Inc
Bonafide Mills Inc
Borden Chemical Co Div Borden Co
Camp Co Inc
Crown Tile Corp
Dasco Co Inc
Douglas & Sturgess
Flintkote Co

Hachmeister-Inc
Hayes Adhesives Co Inc
Henry W W Co
Kaiser Mfg Inc
Lastik Paint Inc
Marsh Wall Products Inc
McGuffie Co
Milwaukee Plywood Co
Minnesota Mining & Mfg Co
Miracle Adhesives Corp
Miraplas Tile Co
Moore Goodloe E Inc
Pecora Inc
Pittsburgh Plate Glass Co
Plastic Products Co
Prestile Mfg Co
Reardon Co
Robbins Floor Products Inc
Schalk Chemical Co
Selck Walter E & Co
Standard Paste & Glue Co Inc
Tamms Industries Co
Wright Mastic Tile Div Ruberoid Co
X-Pando Corp

Cement, Wallboard Joint

Barclay Mfg Co Inc
Bestwall Gypsum Co
Carey Philip Mfg Co
Celotex Corp
LePage's Inc
Lucas John & Co Inc
Marsh Wall Products Inc
Miracle Adhesives Corp
National Chemical & Mfg Co
National Gypsum Co
Penn Crete Prods Co
Pittsburgh Plate Glass Co
Reardon Co
Ruberoid Co
Rutland Fire Clay Co
Schalk Chemical Co
Tamms Industries Co
United States Gypsum Co
United States Plywood Corp
X-Pando Corp

Ceramic Tile (See Tile, Ceramics)

Chain Saws (See Saws, Chain)

Chimneys, Prefabricated (See also Fireplaces)

Condensation Engineering Co
Flinkote Co
Flintkote Co
General Products Co
Majestic Co Inc
McQuay Inc
Metalbestos Div Wm Wallace Co
Morgan-Wightman Co
Pioneer Div Flintkote Co
Van Packer Co Div Flintkote Co

Circuit Breakers

Adam Frank Electric Co
Bryant Electrical Co
Bulldog Elec Prods Div I-T-E Cir Bkr Co
Cutler Hammer Inc
Federal Pacific Electric Co
General Electric Co Apparatus Sales
General Electric Co Circuit Prot Devices
Master Mechanic Mfg Co
Square D Co
Westinghouse Electric Corp

Circular Saws (See Saws, Circular)

Circulators, Hot Water Heating Systems (See Pumps, Booster)

Cleaners, Masonry

Goldblatt Tool Co

Cleaners, Vacuum Central Systems

Atlas Floor Surfacing Machinery Corp
H-P Products Inc
Holt Mfg Co
Kent Co Inc

Clips, Concrete

Goldsmith Metal Lath Co
Peterson Prods Co
Sommer Metalcraft Corp

Clips, Furring

Cleveland Steel Specialty Co
Copperweld Steel Co Wire & Cable Div
Dayton Sure-Grip & Shore Co
Moore Goodloe E Inc
National Gypsum Co
Penn Metal Co Inc
Peterson Prods Co
United States Gypsum Co

Clips, Plaster, Spring (See Lath, Metal & Accessories)

Clips, Roofing Shingles

Seal-All Clip Co

Clips, Wallboard & Ceiling Tile (See Wallboard)

Clocks, Built-In

Miller Howard Clock Co
Minneapolis Honeywell Regulator
R & H Guaranteed Prods Co
Swanson Mfg Co
Wisconsin Clock Co Inc

Closet Accessories

Acme Appliance Mfg Co Acme Bldrs
Air Control Prods Inc
American Steel Door Co
Atkinson Mfg Co
Brown George C & Co Inc
Caradco Inc
Ekco Prods Co Ekco-Autoyre Div
Gerber Plumbing Fixtures Corp
Grant Pulley & Hardware Corp
Home Comfort Co
Kees F D Mfg Co

KEES DUAL PURPOSE ROD & SHELF BRACKETS

. . . support 14" shelving; hold up to 1½" wood or metal rod. Easy to install. Wrought steel 10" high, 11" wide, ⅛" thick; 12 to carton with screws.

F. D. KEES MFG. CO.
Box 762 Beatrice, Nebraska

Kennatrack Corp Sub Ekco Prods
Knape & Vogt Mfg Co
Lawrence Brothers Inc
Leigh Building Products Div
Macklanburg-Duncan Co
Masonite Corp
Mirro Chrome Co Inc
Peerless-Wood Products
Russell & Erwin Div Am Hdwe Corp
Stanley Works
United Steel Products Co

Closet Lining, Cedar (See Cedar Lining, Closets)

Closets, Prefabricated

Caradco Inc
Evergreen States Forest Products
Mengel Co
Tedrick Bros Mfg Co Inc
Western Pine Mfg Co

Coatings, Concrete Floor (See Paints & Coatings, Concrete, Brick, Stucco)

Coatings, Concrete Forms

National Mfg Corp
Re-Nu-It Corp
Sherwin-Williams Co
Sonneborn L Sons Inc
Sullivan Co The
Tufcrete Co Inc
Wood Treating Chemicals Co

Coatings, Roof, Aluminum & Asphalt (See Paints & Coatings, Roof)

Coatings, Wood Treatment (See Paints & Coatings, Wood Treatment)

Color Consultants

Barreled Sunlight Paint Co
Minnesota Paints Inc
Pittsburgh Plate Glass Co
Sherwin-Williams Co
West Beatrice Color Inc

Colors, Concrete & Plaster

Ceresit Waterproofing Corp
Chicago Bronze & Color Works
Colorcrete Industries Inc
Flexrock Co
Hachmeister-Inc
Horn A C Companies Div Sun Chem Corp
Interstate Brick Co
Landers Segal Color Co
Master Builders Co
Quartz Mosaic Inc
Rockcote Paint Co
Smith J Lee & Co Inc
Sonneborn L Sons Inc
Sullivan Co The
Tamms Industries Co
Toch Bros
Truscon Labs Inc
Vitro Mfg Co Div Vitro Corp of America

Columns, Metal (See Steel, Structural; also See Railings & Columns)

Compactors

Maginniss Power Tool Co
Master Vibrator Co

Turn to Section 2—Manufacturers Directory for all addresses

Compounds, Anti-Freeze, Concrete

Anti Hydro Waterproofing Co
Ceresit Waterproofing Corp
Elastizell Corp of America
Flexrock Co
Horn A C Companies Div Sun Chem Corp
Master Builders Co
Ranetite Mfg Co
Sika Chemical Corp
Sonneborn L Sons Inc
Sullivan Co The
Super Concrete Emulsions
Toch Bros

Compounds, Anti-Termite (See Termite Shields)

Compounds, Concrete (See Concrete Hardeners & Sealers)

Concrete Admixtures

Dewey & Almy Chemical Div

Concrete Beams (See Beams, Concrete)

Concrete Block Machines

Besser Co
Brikcrete Associates Inc
Dunn W E Co
Lithibar Co

Concrete Blocks

General Concrete Products Inc
O'Kelly-Eccles Co
West Allis Concrete Prods Co

Concrete, Calcium Chloride For

Columbia Southern Chem Corp
Solvay Process-Allied Chem Dye
Wyandotte Chemicals Corp

Concrete Finishing Machines & Equipment

Chain Belt Co
Champion Mfg Co
Dotmar Industries Inc
General Engines Co Inc
Goldblatt Tool Co
Kelley Machine Div Weisner-Rapp Co Inc
Koehring Co
Master Vibrator Co
Muller Machinery Co Inc
Remington Arms Co Inc
Speedway Mfg Div Thor Power Tool Co
Stow Mfg Co
Thor Power Tool Co
Whiteman Mfg Co

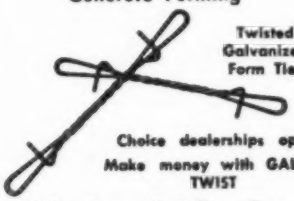
Concrete Form Liners

Bethlehem Steel Co
Harbor Plywood Corp
Masonite Corp
St Paul & Tacoma Lumber Co
Symons Clamp and Mfg Co
United States Plywood Corp
Visking Co
Youngblood Lumber Co

Concrete Form Ties & Accessories

Cleveland Steel Specia.
Conver Steel & Wire Co
Dayton Sure-Grip & Shore Co
Economy Forms
Form Co
Gates & Sons Inc
Gerrard A J & Co
Goldsmith Metal Lath Co
Jeffery Form Tie Co

GALVA TWIST
Concrete Forming



Choice dealerships open.
Make money with GALVA TWIST
Write: James R. Jeffery, Pres.
Jeffery Form Tie Co.
Morengo 6, Illinois

Merwin Mfg Co
Penn Supply & Metal Corp
Rocform Corp
Sheffield Div Armco Steel Corp
Simplex Forms System Inc
Sommer Metalcraft Corp
Superior Scaffold Co
Symons Clamp and Mfg Co
Texas Quarries Inc
U S Mineral Wool Co
Universal Form Clamp Co
Waco Transwall Folding Partition
Wood Conversion Co

Concrete Forms

NEED CONCRETE FORM SYSTEMS?
WRITE, WIRE OR CALL NOW!
Rocform CORPORATION
15160 W. 8 Mile Road, Detroit 35, Michigan
ALWAYS FORMS A BETTER WALL
• Rocform System
• Adapt-A-Clamp System
DESIGNED, FIELD TESTED, PROVEN BY CONCRETE WALL MEN FOR THE INDUSTRY.
IMPORTANT! Rocform Systems can be used with equal ease for Commercial, Industrial or Residential work.

Chain Belt Co
Colorcrete Industries Inc
Dayton Sure-Grip & Shore Co
Delta Co
Dotmar Industries Inc
Economy Forms
Forest Fiber Products Co
Form Co
Gates & Sons Inc
Goldsmith Metal Lath Co
Inland Steel Products Co
Irvington Form & Tank Co
Kochton Plywood & Veneer Co Inc
Paxton Frank Lumber Co
Proctor Products Co
Richkraft Co
Rilco Laminated Prods Inc
Rocform Corp
Simplex Forms System Inc
Sonoco Prods Co Construction Prod Div
Symons Clamp and Mfg Co
United States Plywood Corp
Universal Form Clamp Co
Waco Transwall Folding Partition

Concrete Guns (See Guns, Pneumatic, Concrete Application)

Concrete Hardeners & Sealers

Allied Compositions Co Inc
American Asbestos Product Co
Anti Hydro Waterproofing Co
Camp Co Inc
Carter-Waters Corp
Ceresit Waterproofing Corp
Coddington E D Mfg Co
Colorcrete Industries Inc
Concrete Weld Co
Dad & Lad Co
Devoe & Raynolds Co Inc
Dewey & Almy Chemical Div
Evercrete Corp
Flexrock Co
Forrers Div Spray-O-Bond Co
Fulton Cotton Mills
Horn A C Companies Div Sun Chem Corp
Kay-Tite Co
Koppers Co Inc Durethene Plant
Kordite Corp
Larsen Products Corp
Maguire Walter Co Inc
Master Builders Co
Monroe Co Inc
Permiteco Inc
Ranetite Mfg Co
Reardon Co
Re-Nu-It Corp
Rutland Fire Clay Co
Seddon Co
Servicised Prods Corp
Sika Chemical Corp
Sonneborn L Sons Inc
Standard Dry Wall Products Inc
Steelcote Manufacturing Co
Sullivan Co The
Super Concrete Emulsions
Surface Protection Co Inc
Tamms Industries Co
Tennant G H Co
Thompson E A Co Inc
Toch Bros
Truscon Labs Inc
Tufcrete Co Inc
Vita-Var Corp
Wilbur & Williams Co

Concrete Mixers, Mortar, Etc.

Anchor Mfg Co
Besser Co
C H & E Manufacturing Co
Chain Belt Co
Colorcrete Industries Inc
Construction Machinery Co
Dotmar Industries Inc
Dunn W E Co
General Engines Co Inc
Gilson Brothers Co
Jaeger Machine Co
Johnson C S Co
Koehring Co
Lithibar Co
Mixermobile Manufacturers
Muller Machinery Co Inc

Newark Ladder & Bracket Co Inc
Smith T L Co
Worthington Corp

Concrete Mixers, Transit

Chain Belt Co
Construction Machinery Co
General Engines Co Inc
Hercules-Galion Products Inc
Jaeger Machine Co
Maxon Construction Co Inc
Smith T L Co
Whiteman Mfg Co
Worthington Corp

Concrete Paint (See Paints & Coatings, Concrete)

Concrete Sawing Equipment

Carborundum Co
Champion Mfg Co
Clipper Mfg Co
Eveready Briksaw Co
Thor Power Tool Co
Victor Inc

Concrete Vibrators, Gasoline & Electric

Chicago Pneumatic Tool Co
General Engines Co Inc
Homelite Div Textron Inc
Kelley Machine Div Wiesner-Rapp Co Inc
Maginniss Power Tool Co
Master Vibrator Co
Pacific Mercury Marketing Div
Remington Arms Co Inc
Speedway Mfg Div Thor Power Tool Co
Stow Mfg Co
Syntron Co
Thor Power Tool Co
Vibro Plus Prods Inc
Whiteman Mfg Co

Conduits & Raceways

Adam Frank Electric Co
Aluminum Co of America
American Brass Co
American Flexible Conduit Co
Byers A M Co
Chase Brass & Copper Inc
Circle Wire & Cable Corp
Clayton Mark & Co
Columbia Metal Box Co
Gen Elec Co Constr Mat Sales Operation
Johns-Manville Corp
Kees F D Mfg Co
Keystone Mfg Co
Laclede Steel Co
Line Material Ind McGraw-Edison Co
Natl Electric Div H K Porter Co Inc
Okonite Co
Orangeburg Mfg Co Div Flintkote Co
Pyle-National Co
Republic Steel Corp
Skyline Industries Sales Inc
Southwestern Plastic Pipe Co
Triangle Conduit & Cable Co Inc
Unistrut Prods Co
United States Rubber Co
Wiremold Co
Youngstown Sheet & Tube Co

Controls, Heating & Air Conditioning

Arrow Hart & Hegeman Elec Co
Berko Electric Mfg Corp
Controls Co of America
Cutler Hammer Inc
Everwarm Inc
General Controls Co
General Electric Co Apparatus Sales
Hoffman Specialty Mfg Corp
International Register Co
Kol-Master Corp
Lawler Automatic Controls Inc
Lennox Industries Inc
Mercoid Corp
Minneapolis Honeywell Regulator
Morrison Steel Products Inc
National-US Radiator Corp
Penn Controls Inc
Stow Mfg Co
Sunwarm Inc
Thrush H A & Co
Tork Time Controls Inc
Triplex Heating Specialty Co Inc
Tuck-Aire Furnace Co
Waterloo Register Co Inc
Westinghouse Electric Corp
White-Rodgers Co
Wilcolator Co

Controls, Lighting (See Wiring Systems, Remote Control)

Conveyors

Alvey Ferguson Co Inc
American Conveyor Co
Barber Greene Co
Baughman Mfg Co Inc
Bodinson Mfg Co
Bosworth Mfg Co
Buschman E W Co Inc
Chain Belt Co
Colson Corp
DeWalt Div AMF
Ferguson Harry J Co
Gee Vee Line
Goodall Rubber Co Inc
Hewitt-Robins Inc
Lake Shore Inc Lake Shore Eng Div
LeTourneau-Westinghouse Co
Lippmann Engineering Works Inc
Louden Machinery Co
Mathews Conveyor Co
Metzgar Conveyor Co
Morgen Manufacturing Co
Mulkey Sam Co
New London Engineering Co
Northern Conveyor Co
Oliver Corp
Rapids-Standard Co Inc
Richards-Wilcox Mfg Co
Stephens-Adamson Mfg Co
United States Rubber Co
Virginia Metal Products Inc

Copper Tubing (See Pipe & Tubing, Brass & Copper)

Cork Flooring (See Tile, Cork)

Counterflow Furnace Units (See Furnaces, Counterflow Units)

Countertops

Armstrong Cork Co
Boro Wood Prods Co Inc
Carthage Marble Corp
Chemold Co
Congoleum-Nairn Inc
Elkay Mfg Co
Farley & Loetscher Mfg Co
Fiberesin Plastics Co
Gen Elec Co Laminated Prods Dept
Gen Tire & Rubber Co Bldg Mat Div
Glissade Inc
Goodyear Tire & Rubber Co
Gregg & Son Inc
Harbor Plywood Corp
Hyde-Murphy Co
Hyde Park Products Co
Kitchen Kompact Inc
Marsh Wall Products Inc
National Tile & Mfg Co
Quartz Mosaic Inc
Regal Laminates Inc
St Regis Paper Co Panelyte Div
Sani-Top Inc
Texboro Cabinet Corp
Topcraft Inc
United States Plywood
United States Rubber
Vermont Marble Co

Coverings, Wall (See Wall Coverings)

Cranes & Shovels

Allis Chalmers Mfg Constr Mach Div
American Hoist & Derrick Co
Bucyrus-Erie Co
Clark Equipt Co Constr Mach Div
Cleveland Trencher Co
Ford Motor Co Tractor & Implement Div
Gar Wood Industries Inc
John Deere Industrial Div
Koehring Co
LeTourneau-Westinghouse Co
Link-Belt Speeder Corp
Northwest Engineering Co
Pitman Manufacturing Co
Pointer-Willamette Co Inc
Radocy P A & Sons
Round David & Son Inc
Schield Bantam Co
Sherman Prods Inc
Silent Hoist & Crane Co
Smith Hoist Mfg Co
Tractomotive Corp
Unit Crane & Shovel Corp

Curtain Walls

American Art Metals Co
Butler Mfg Co
Fenestra Inc
Harvey Aluminum
Haskelite Mfg Corp
Ingram-Richardson Mfg. Co
Kawneer Co
Kimble Glass Co Sub Owens-Illinois
Marmet Corp
Mesker Bros Iron Co
Michel & Pfeffer Iron Works Inc
Pomeroy S H Co Inc
Pro-Tect-U Jalousie Corp
Regulux Sash & Door Co
Republic Steel Corp Truscon Div
Ryerson Joseph T & Son
Slidewall Co
Southern Sash Sales & Supply Co
Steelbilt Inc
United States Plywood Corp
Valley Metal Prods Co
Wasco Products Inc
Werner Canvas Prods Co
Wilke Metal Products Inc
Wolverine Porcelain Enameling Co

Cutters, Hardboard

Gairing Tool Co
Hartmeister Mfg Inc
Huther Brothers Saw Mfg Co Inc
Kimball Mfg Co
Modern Specialties Co
Rockwell Mfg Delta Power Tool Div
Stanley Tools

Turn to Section 2—Manufacturers Directory for all addresses

Cutters, Insulation Board

Kimball Mfg Co

Cutters, Molding

Belsaw Machinery Co
Boice Crane Co
DeWalt Div AMF
Dormeyer Co
Dosch Mfg Co
Ekstrom Carlson & Co
Huther Brotehers Saw Mfg Co Inc
Jet Tool Inc
Mattison Machine Works
Pootatuck Corp
Rockwell Mfg Delta Power Tool Div
Stanley Electric Tools
United Industries Inc
Yates-American Machine Co

Cutters, Shingle & Siding

Flintkote Co
General Hardware Mfg Co Inc
Keasbey & Mattison Co
Modern Specialties Co
Newark Ladder & Bracket Co Inc
Ruberoid Co
Specialty Tool Manufacturers
United States Gypsum Co

Cutters, Stump
(See Bulldozer Attachments)

Cypress Lumber
(See Lumber, Cypress)

Dampers, Fireplace
(See Fireplaces, Outdoor & Equipment)

Decking, Insulating

Armstrong Cork Co
Berger Insulation Co Inc
Bestwall Gypsum Co
Bird & Son Inc
Bradley Southern Div Potlach Forests Inc
Carey Philip Mfg Co
Celotex Corp
Cemex of Arizona
Flintkote Co
Gilman Bros Co
Great Lakes Carbon Corp Perlite Dept
Homasote Co
Insulite Div Minnesota & Ontario Paper
Johns-Manville Corp
Kaiser Gypsum Co Inc
Lehon Co
Meadows W R Inc
National Gypsum Co
North American Asbestos Corp
Owens-Corning Fiberglas Corp
Paxton Frank Lumber Co
Pioneer Div Flintkote Co
Reynolds Aluminum Supply Co
Rilco Laminated Prods Inc
Simpson Logging Co
Tectum Corp
Texas Vermiculite Co
Ther-Mo Roof Inc
Timber Structures Inc
Uni-Crest Div United Cork
Unit Structures Inc
United States Gypsum Co
Waylite Co
Wood Conversion Co
Zonolite Co

Decking, Metal

Ceco Steel Prods Corp
Fenestra Inc
Bellanbee Steel Corp
Goldsmith Metal Lath Co
Granco Steel Prods Co
Haven-Busch Co
Inland Steel Products Co
Macomber Inc
Mahon R C Co
Plasteel Products Corp
Republic Steel Corp
Republic Steel Corp Truscon Div
Ryerson Joseph T & Son
Stran-Steel Corp Div Natl Steel Corp
Tennison Bros Inc
United States Gypsum Co
Wheeling Corrugating Co

Dehumidifiers
(See also Air Conditioners)

Abbeon Supply Co
Amana Refrigeration Inc
Berns Air King Corp
Carrier Corp
Clarage Fan Co
Coolerator McGraw-Edison
Cory Corp
Fedders Corp
Fresh 'Nd-Aire Co Div Cory Corp
Gibson Refrigerator Co Div Hupp Corp
Kelvinator Div American Motors Co
Morrison Steel Products Inc
Remington Air Conditioning Div
Westinghouse Electric Corp
Whirlpool Corp
Worthington Corp

Derricks

American Hoist & Derrick Co
King Mfg Co
McCabe Powers Body Co
Sasgen Derrick Co
Utility Body Co

Devices, Wiring
(See Wiring Devices)

Dining Nooks
(See Nooks, Dining)

Dishwashers

Admiral Corp
Chambers Built-Ins Inc

Chambers® BUILT-INS
A COMPLETE "CUSTOM MATCHED" LINE
Ovens and Ranges (gas and electric) . . .
Refrigerator-Freezers . . . Dishwashers . . .
Ventilating Hoods . . . Disposers
A DESIGN AND SIZE FOR ANY KITCHEN PLAN!
For specifications—Air Mail
Chambers Built-ins Co., Dept. AB-460
2012 N. Harlem Ave., Chicago 35, Ill.

Frigidaire Div General Motors Corp
Gen Elec Co Appliance & Television Div
Gregg & Son Inc
Hobart Mfg Co
Hotpoint Div
James Mfg Co Inc
Kelvinator Div American Motors Co
Philco Corp
Preway Inc
Tracy-American Kitchens
Waste King Corp
Westinghouse Elec Appliance Div
Westinghouse Electric Corp
Whirlpool Corp
Youngstown Kitchens

Disposers, Garbage

Amer-Standard Plumbing & Heating Div
Chambers Built-Ins Inc
Crane Co
Donley Brothers Co
Frigidaire Div General Motors Corp
Gen Elec Co Appliance & Television Div
Hotpoint Div
In-Sink-Erator Mfg Co
James Mfg Co Inc
Kelvinator Div American Motors Co
Leigh Bldg Prods Div Air Control Prods
Locke Stove Co
Natl Rubber Mch Co Plumbing Equip Div
Northwest Metal Products Inc
Philco Corp
Pioneer Manufacturing Co
Tracy-American Kitchens
Vestal Mfg Co
Waste King Corp
Westinghouse Elec Appliance Div
Westinghouse Electric Corp
Whirlpool Corp
Witt Cornice Co
Youngstown Kitchens

Ditchers
(See Trenchers & Ditchers)

Door Bells & Chimes

Auth Electric Co Inc
Cable Electric Products Inc
Carey Philip Mfg Co
Dooroscope Co
Edwards Co Inc
Graham John H & Co Inc
Lehon Co
Miami Cabinet Div Philip Carey Mfg
Morgan-Wightman Co
NuTone Inc
Rittenhouse Co Inc

Door Operators, Garage

Alliance Manufacturing Co Inc
Atlas Overhead Door Co
Barber Colman Co

BARBER COLMAN
Barcol.
OVERdoors
Weather-King doors and door controls; com-action. Nationally distributed, guaranteed.

Calder Mfg Co
Capitol Products Co
Crawford Door Co
Delco Appliance Div
Dor-o-Matic Div Republic Industries Inc
Fitzgerald M J Co
Frantz Mfg Co
Graham Door Co
Howell Mfg Co
Kinnear Mfg Co
Lancaster Pump & Mfg Co Inc
McKee Door Co
Moore A E Co Inc
Morrison Steel Products Inc
Overhead Door Corp
RCA Service Co Div of RCA
Raynor Mfg Co
Richards-Wilcox Mfg Co
Ridge Door Co
Robot Industries Inc
Rowe Mfg Co
Russel F C Co
Sedcon Inc
Wagner Mfg Co

Doors, Access & Crawl Space

Adams Co
Air Control Products Inc
Bilco Co
Carey Philip Mfg Co
Coffman R G Co Inc
Columbia Metal Box Co
Donley Brothers Co
George F C Machine Co
Industrial Iron Works
Inland Steel Products Co
Knapp Brothers Mfg Co
Lehon Co
Leigh Bldg Prods Div Air Control Prods
Miami Cabinet Div Philip Carey Mfg
Morgan Company
Simpson Logging Co
Steelcraft Mfg Co
Vestal Mfg Co
Zurn Industries Inc Plumbing Prods Div

Doors, Cellar, Bulkhead, Metal

Bilco Co

Bilco
BASEMENT DOOR
SOLD BY BUILDING MATERIAL DEALERS
THE BILCO COMPANY
Dept. 308—New Haven 5, Conn.

Cellarway Inc
Donley Brothers Co
International Fireproof Door Co
Michel & Pfeffer Iron Works Inc
Pak-Cel Inc
Vega Industries Inc

Doors, Combination, Aluminum (See Windows & Doors, Combination Screen & Storm Sash, Aluminum)

Doors, Combination, Steel (See Windows & Doors, Combination Screen & Storm Sash, Steel)

Doors, Combination, Wood (See Windows & Doors, Combination Screen & Storm Sash, Wood)

Doors, Flexible & Folding

Aeroshade Co
Air Control Products Inc
American Accordion-Fold Doors Inc
American Steel Door Co
Amweld Bldg Prods Div Am Welding
Clopay Corp
Columbia Mills Inc
Consolidated General Prod Inc
Cookson Co
Cox Arthur & Sons Inc
Craftwood Products
Curltition Corp
Eastern Machine Products Co
Evergreen States Forest Products
Fenestra Inc
Float-Away Door Co
Gates Mfg Co Inc
Grant Pulley & Hardware Corp

AMERICA'S MOST VERSATILE FAMILY OF FOLDING DOORS...
STACKDOOR
customfold
WOODFLEX
wovynfold
ACCORDOFOLD ROYALE
Engineered and manufactured by
AMERICAN ACCORDION-FOLD DOORS, INC.
Jamaica 33, New York

Gregg & Son Inc
Harbor Plywood Corp
Holcomb & Hoke Mfg Co Inc
Hough Mfg Corp
Leigh Bldg Prods Div Air Control Prods
Michel & Pfeffer Iron Works Inc
Morgan Company
New Castle Products Inc
Nova Sales Co
Paine Lumber Co Ltd
Panelfold Doors Inc
Precision Parts Corp
Ready Hung Door Corp
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Richards-Wilcox Mfg Co
Rock Island Millwork Co Factory Div
Rolscreen Co
Spokane Sash & Door Co
Suncraft Inc
United States Plywood Corp
Waco Transwall Folding Partition
Warren Shade Co Inc
Wel-Bilt Products Co
Wood Specialty Products Inc

Doors, Garage, Upward Acting, Metal

Atlas Overhead Door Co
Barber Colman Co
Berkeley Aluminum Products Inc
Berry Door Corp

Berry STEEL GARAGE DOORS
5-year guarantee
One-piece and sectional models
Ask your distributor or write direct:
Berry Door Corporation
2400 E. Lincoln Road, Birmingham, Michigan

Crawford Door Co
Fenestra Inc
Frantz Mfg Co
General Doors Corp
Kinnear Mfg Co
McKee Door Co
Morgan-Wightman Co
Morrison Steel Products Inc
Overhead Door Corp
Panelfab Products Inc
Raynor Mfg Co
Reynolds Aluminum Supply Co
Ridge Door Co
Rowe Mfg Co
Russel F C Co
Southern Pine Lumber Co
Taylor Garage Doors Inc
Tilt-A-Door Corp
Wagner Mfg Co
Wel-Bilt Products Co
Wilson J G Corp

Doors, Garage, Upward Acting, Wood

Atlas Overhead Door Co
Barber Colman Co

BARBER COLMAN
Barcol.
OVERdoors
Weather-King doors and door controls com-action. Nationally distributed, guaranteed.

Better-Bilt Door Co
Calder Mfg Co
Capitol Products Co
Commander Doors Inc
Crawford Door Co
Farley & Loetscher Mfg Co
Frantz Mfg Co
General Door Co
General Doors Corp
Georgia Pacific Corp
Goshen Sash & Door Co
Graham Door Co

the world's most beautiful homes wear GRAHAM GARAGE DOORS
Exclusive "Magi-Dor" Automatic Operator available
GRAHAM DOOR COMPANY
6901 Carnegie Ave. • Cleveland 3, Ohio • HE 2-1200

Harris Inc
Howell Mfg Co
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Kinnear Mfg Co
Kochton Plywood & Veneer Co Inc
McKee Door Co
Morgan-Wightman Co
Morrison Steel Products Inc
Northwest Door Co Sub St Regis Paper Co
Overhead Door Corp
Pacific Mutual Door Co
Phenix Mfg Co
Raynor Mfg Co
Richards-Wilcox Mfg Co
Ridge Door Co
Rowe Mfg Co
Simpson Logging Co
Southern Pine Lumber Co
Wagner Mfg Co
Wineld Door Corp

Doors, Glass (See Doors, Sliding; also Doors, Shower)

Turn to Section 2—Manufacturers Directory for all addresses

Doors, Interior & Exterior, Metal

Aetna Steel Prods Corp
American Art Metals Co
Amweld Bldg Prods Div
Atco Aluminum Products
Bayley William Co
Berry Door Corp

Berry STEEL GARAGE DOORS
5-year guarantee
One-piece and sectional models
Ask your distributor or write direct:
Berry Door Corporation
2400 E. Lincoln Road, Birmingham, Michigan

Bilco Co
Burr-Southern Div State Steel
Ceco Steel Prods Corp
Croft Metal Products Inc
Curtis Companies Inc
Federal Windows Mfg Co Inc
Fenestra Inc
International Fireproof Door Co
International Steel Co
Ipik Door Co Inc
Kawneer Co
Kinnear Mfg Co
Leigh Bldg Prods Div Air Con Prods Inc
Marmet Corp
Mesker Bros Iron Co
Morrison Steel Products Inc
National Aluminum Co
Panelfab Products Inc
Republic Steel Corp
Republic Steel Corp Truscon Div
Richards-Wilcox Mfg Co
Richmond Fireproof Door Co
Rowe Mfg Co
Russel F C Co
Spartan Steel Products Corp
State Steel Industries Inc
Steelcraft Mfg Co
United Steel Fabricators Inc
Valley Metal Prods Co
Virginia Metal Products Inc
Vulcan Metal Prods Inc
Wilson J G Corp

Doors, Interior & Exterior, Wood

Anson & Gilkey Co
Bellwood Co of California
Caradco Inc
Craftwood Products
Crestline Co
Curtis Companies Inc
Evergreen States Forest Products
Farley & Loetscher Mfg Co
General Plywood Corp
Georgia Pacific Corp
Cregg & Son Inc
Harbor Plywood Corp
Hardwood Products Corp
Haskelite Mfg Corp
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Ipik Door Co Inc
Ketcham G M Mfg Corp
Kochion Plywood & Veneer Co Inc
Mauk Seattle Lumber Co
Mengel Co
Milwaukee Plywood Co
Mohawk Flush Doors
Morgan Company
Morgan-Wightman Co
Niagara Plywood Co Inc
Northwest Door Co Sub St Regis Paper Co
Pacific Mutual Door Co
Petterson J C Corp
Perrine Industries Inc
Ready Hung Door Corp
Reynolds Aluminum Supply Co
Rock Island Millwork Co Factory Div
Roddis Plywood Corp
Semling-Menke Co
Simpson Logging Co
Spokane Sash & Door Co
Thomason Plywood Corp
United States Plywood Corp
Western Door & Plywood Corp
Wisconsin Door Co

Doors, Jalousie

Adams Engineering Co
All Weather Jalousies Inc
Alsco Inc
Aluminum Industries
Anderson V E Mfg Co Inc
Angel Co
Atco Aluminum Products
Carey-McFall Co
Chamberlin Co of America
Cookson Co
Eagle-Picher Co
Fleet of America Inc
Fulton Glass Co
General Window Co
Hess Mfg Co
Hyde-Murphy Co
Jasco Aluminum Products
Kelco Div Wells Aluminum Corp
Keystone Alloys Co
Himble Glass Co Sub Owens-Illinois
Krueger Manufacturing Co
Leonard R B Inc
Ludman Corp
Moloney Co
Morgan-Wightman Co
North East Metal Products Corp
Paramount Aluminum Prod Corp
Perrine Industries Inc
Pro-Tect-U Jalousie Corp
Regal Products Corp
Regulux Sash & Door Co
Republic Steel Corp
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Rock Island Millwork Co Factory Div
Royal Jalousie Co
Rusco Windows Inc of Florida
Russel F C Co
Schumacher F E Co
Simpson Logging Co
Southern Sash Sales & Supply Co
State Metal Awnings Inc
Sun Valley Industries
Textron Metals Co
Union Machine Co
Universal Fabricators
Ware Laboratories Inc
Wells Aluminum Corp
Winsulite Mfg Co

Doors, Kitchen Cabinet

Fiberesin Plastics Co

Doors, Louver, Metal

Philadelphia Screen Mfg Co

Doors, Louver, Wood

Caradco Inc
Craftwood Products
Crestline Co
Curtis Companies Inc
Farley & Loetscher Mfg Co
Georgia Pacific Corp
Goshen Sash & Door Co
Gregg & Son Inc
Harbor Plywood Corp
Heinley Mastercraft Products
Hyde-Murphy Co
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Kennatrack Corp Sub Ekco Prods
Missoula White Pine Sash Co
Morgan Company
Morgan-Wightman Co

DOORS - INTERIOR, EXTERIOR
SLAB, LOUVRE, S.S.S.
ALL STYLES—
ALL SIZES
MORGAN-WIGHTMAN
National Quality Supply House
WRITE FOR
NEW 188 PAGE CATALOG
9910 PAGE - ST. LOUIS, MO.

Paxton Frank Lumber Co
Precision Parts Corp
Quincy Adams Colonial Doors
Ready Hung Door Corp
Rock Island Millwork Co Factory Div
Rockwell of Randolph Inc
Schumacher F E Co
Simpson Logging Co
Tyler Arthur F Co
Union Machine Co
United States Plywood Corp

Doors, Prefabbed & Packaged

Ceco Steel Prods Corp
Clark Door Co Inc
Craftwood Products
Goshen Sash & Door Co
Ideal Co Mfg Div Wm Cameron & Co
Mesker Bros Iron Co
Panelfab Products Inc
Precision Parts Corp
Ready Hung Door Corp
Steelcraft Mfg Co
Thomason Plywood Corp

Doors, Prehung

Alumatic Corp of America
Champion Door Co Inc
Craftwood Products
Ez-Way Sales Inc
Ideal Co Mfg Div Wm Cameron & Co
Jenkins Lumber & Mfg Co
Master Hung Door Equip Co
Moloney Co
Peerless-Wood Products
Ready Hung Door Corp
Royal Jalousie Co
Tyee Lumber Mfg Co
Wadsworth Millwork Corp
Wilke Metal Products Inc

Doors, Rolling, Steel

Cookson Co
Kinnear Mfg Co
Mahon R C Co
Mesker Bros Iron Co
Michel & Pfeffer Iron Works Inc
Morrison Steel Products Inc
Ridge Door Co
Wilson J G Corp

Doors, Shower & Bathtub (See also Shower Stalls)

Adams Engineering Co
American Shower Door Co Inc
Anoroc Products Inc
Beauti-Dor Inc
Binswander Glass Co
Chemold Co
Crane Co
Cutler Metal Prods Co
Daryl Products Corp
Efron Theodore Mfg Co
Evergreen States Forest Products
Fiat Metal Mfg Co

Fuller W P & Co
Glamour Glass Wal-Dor Corp
Glass Shower Door Co Inc
Jones Shutter Products
Ketcham G M Mfg Corp
Lehman Sprayshield Co
Leonard R B Inc
Ludman Corp
Milwaukee Stamping Co Bathe-Rite Div
Morgan-Wightman Co
National Aluminum Co
National Metal-Art Mfg Co
North East Metal Products Corp
Paramount Aluminum Prod Corp
Perrine Industries Inc
Pittsburgh Plate Glass Co
Reynolds Aluminum Supply Co
Rusco Windows Inc of Florida
Safety-Flex Enclosures Div Woodside Ind
Shower Door Co of America
Showerfold Door Corp
Standard Building Products Co
Standard Steel Cabinet Co
Tiletone Co
Trimview Metal Products
Wasco Products Inc

Doors, Sliding Glass

Adams Engineering Co
Ador Corp
Alsco Inc
American-Saint Gobain Corp
American Shower Door Co Inc
Anderson V E Mfg Co Inc
Arcadia Metal Products
Binswander Glass Co
Capitol Products Corp
Capri Sales Inc
Cole Mfg Co
Daryl Products Corp
Fenestra Inc
Fleet of America Inc
Flynn Michael Mfg Co
Fuller W P & Co
General Bronze Corp
General Window Co
Glamour Glass Wal-Dor Corp
Glass Shower Door Co Inc
Hollyview Aluminum Rolling Glass
Horizon Door Co
Lehman Sprayshield Co
Lenahan Aluminum Window Corp
Leonard R B Inc
Malibu Mfg Corp
Metal Trims Inc
Miller Frank B Mfg Co
Miller Sliding Glass Door Co Inc
National Metal-Art Mfg Co
National Window Corp
Nudor Mfg Corp
Panaview
Perrine Industries Inc
Pro-Tect-U Jalousie Corp
Reynolds Aluminum Supply Co
Rusco Windows Inc of Florida
Russel F C Co
Safetee Glass Co
Shower Door Co of America
Slide-View Door Co
Steelbilt Inc
Sun Valley Industries Inc
Toledo Plate & Window Glass Co
Trim Slide Inc
Trimview Metal Products
Universal Fabricators
Virginia Glass Products Corp

Doors, Sliding Wood & Metal

Aluminum & Glass Products Co
Cole Mfg Co
Cox Arthur & Sons Inc
Craftwood Products
Croft Metal Products Inc
Curtis Companies Inc
Dina-Pak Corp
Ez-Way Sales Inc
Farley & Loetscher Mfg Co
Fenestra Inc
Glide Windows Inc
Harris Inc
Hollyview Aluminum Rolling Glass
Ideal Co Mfg Div Wm Cameron & Co
Ipik Door Co Inc
Ludman Corp
Malibu Mfg Corp
Mengel Co
Michel & Pfeffer Iron Works Inc
Morgan Company
Nudor Mfg Corp
One-Der Frame Corp
Oro Mfg Co
Paine Lumber Co Ltd
Panaview
Panelfab Products Inc
Paxton Frank Lumber Co
Premier Hall Mfg Co
Pro-Tect-U Jalousie Corp
Ready Hung Door Corp
Republic Steel Corp Truscon Div
Richards-Wilcox Mfg Co
Rockwell of Randolph Inc
Roddis Plywood Corp
Slide Master Glass Door & Window
Slide-View Door Co
Standard Building Products Co
Steelcraft Mfg Co
Storm King Corp
Sun Valley Industries Inc
Union Machine Co
United States Plywood Corp
United Steel Fabricators Inc
Virginia Metal Products Inc
W M Products Co
Wel-Bilt Products Co
Woodall Industries Inc

Douglas Fir
(See Lumber, Fir, Douglas or Plywood, Douglas Fir)

Drains, Shower

Josam Mfg Co

Drawer Slides & Rollers

Air Control Products Inc
Ajax Hardware Corp
Amerock Corporation

GENUINE Amerock HARDWARE
DRAWER SLIDES
• Bottom Mounting
• Side Mounting
• Center Mounting
ASK YOUR WHOLESALER
AMEROCK CORPORATION
ROCKFORD ILLINOIS

Extension Drawer Support Co
Grant Pulley & Hardware Corp
Junior-Pro Products Co
Knape & Vogt Mfg Co
Leigh Bldg Prods Div Air Con Prods Inc
Sterling John Corp
Washington Steel Prods

Drawers, Plastic

Knoll-Drake Products Inc
Masonite Corp
Washington Steel Prods

Drill Grinders
(See Grinders, Drill)

Drills, Brick, Concrete, Tile

Arro Expansion Bolt Co
Black & Decker Mfg Co
Bulldog Div Gregory Industries Inc
Chicago Expansion Bolt Co
Chicago Pneumatic Tool Co
Cincinnati Tool Co
Damascus Steel Products Corp
Diamond Expansion Bolt Co Inc
Gairing Tool Co
Gardner-Denver Co
General Hardware Mfg Co Inc
Hawkeye Sales Co
Hood Bros
Jordan Industries
Mayhew Steel Products Inc
Milwaukee Elec Tool Corp
Molco Drilling Machines Inc
New England Carbide Tool Co Inc
Ox-Wall Tool Co Ltd
Paine Co
Phillips Drill Co
Proto Tool Co Div Pendleton Tool Ind Inc
Rawplug Co Inc
Remington Arms Co Inc
Relton Corp
Stanley Tools
Star Expansion Industries Corp
Syntron Co
Thor Power Tool Co
Union Twist Drill Co
U S Expansion Bolt Co
Victor Inc
Wodack Electric Tool Corp

Drills, Electric, Portable

Albertson & Company Inc
American Floor Machine Co
Black & Decker Mfg Co
Blum Julius & Co Inc
Bulldog Div Gregory Industries Inc
Chicago Pneumatic Tool Co
Cummins Port Tools Div Oster Mfg Co
Dalton Mfg Co
Diamond Expansion Bolt Co Inc
Forsberg Mfg Co
Holub Industries Inc
Ingersoll-Rand Co
Kent Air Tool Co
Kett Tool Co
Millers Falls Co
Milwaukee Elec Tool Corp
Molco Drilling Machines Inc
Portable Electric Tools Inc
Porter-Cable Machine Co
R C S Tool Corp
Ryerson Joseph T & Son
Skil Corp
Speedway Mfg Div Thor Power Tool Co
Stanley Electric Tools
Thor Power Tool Co
Union Twist Drill Co
Wen Products Inc
Wodack Electric Tool Corp

Drills, Gasoline

Barco Mfg Co
Remington Arms Co Inc

Drivers & Fasteners, Cartridge Actuated Type

Fastway Fasteners Inc
Hawkeye Sales Co
Hilti Rapid Fastening Systems Inc
Omark Industries Inc

Turn to Section 2—Manufacturers Directory for all addresses

Ramset Fastening System
Remington Arms Co Inc

Dryers, Cothes
(See Washers & Dryers, Clothes)

Ducts, Metal

Penn Supply & Metal Corp

Dumbwaiters

Barrett Cravens Co
Bodinson Mfg Co
Chelsea Elevator Co
Flinchbaugh-Murray Corp
Inclinator Co of America
Lewis-Shepard Products Inc
Otis Elevator Co
Robot Industries Inc
Sedgwick Machine Works
Shepard Elevator Co Div Dover Corp
Westinghouse Electric Corp
Whitney Vincent Co

Earthmoving Equipment
(See Backhoes, Bulldozers, Cranes, Etc.)

Electrical Materials
(See Conduits & Raceways; also Wiring Systems)

Elevators, Hand Power
(See Dumbwaiters)

Estimating Services

Goshen Sash & Door Co
Tamblyn Systems
Unit Structures Inc

Fans, Commercial

Acme Engineering & Mfg Corp
Air Controls Inc
Buffalo Forge Co
Chicago Blower Corp
Cory Corp
Emerson Electric Mfg Co
ILG Electric Ventilating Co
Peerless Elec Div H K Porter Co Inc
Standard Electric Mfg Co Inc

Fans, Exhaust, Bath & Kitchen

Acme Engineering & Mfg Corp
Air Control Products Inc
Air Controls Inc
American Air Filter Co
American Standard American Blower Div
Aubrey Hardware Mfg Inc
Bar-Brook Mfg Co
Berns Air King Corp
Broan Mfg Co Inc
C & H Air Conditioning Co Inc
Cal Vent Manufacturing Co
Carey Philip Mfg Co
Chambers Built-Ins Inc
Chelsea Fan & Blower Co Inc
Clarage Fan Co
Dayton Electric Mfg Co
Emerson Electric Mfg Co
Emerson-Pryne Co
Fasco Industries Inc
Gray & Dudley Co
Gregg & Son Inc
Hunter Div-Robbins & Myers Inc
ILG Electric Ventilating Co
Kol-Master Corp
Lehon Co
Leigh Bldg Prods Div Air Con Prods Inc
Master Mechanic Mfg Co
McLean Engineering Labs
Miami Cabinet Div Philip Carey Mfg
Morgan-Wightman Co

National Gas Equipment Co Inc
NuTone Inc
Peerless Electric Div H K Porter Co Inc
Perfect Line Mfg
Progress Mfg Co Inc
Reed Unit Fans Inc
Rich Phil Fan Mfg Co Inc
Robbins & Myers Inc
Roberts Mfg Co
Shepler Mfg Co
Sin-Jin Products Co
Standard Electric Mfg Co Inc
Stewart Industries Inc
Stewart S J Electric
Texboro Cabinet Corp
Trade-Wind Div Robbins & Myers Inc
Universal Blower Co
Ventrola Mfg Co
West Wind Corp
Winco Ventilator Co

Fans, Ventilating, Attic

Acme Engineering & Mfg Corp
Aeroshade Co
Air Controls Inc
American Coolair Corp
Berns Air King Corp
Buffalo Forge Co
C & H Air Conditioning Co Inc
Carey Philip Mfg Co
Chelsea Fan & Blower Co Inc
Chicago Blower Corp
Clay Equipment Corp
Consolidated General Prod Inc
Damp-Vent Co
Dayton Electric Mfg Co
Diehl Mfg Co
Emerson Electric Mfg Co
Emerson-Pryne Co
Fasco Industries Inc
Gaffers & Sattler
Gordon Mfg Co
Hudson H D Mfg Co
Hunter Div-Robbins & Myers Inc
ILG Electric Ventilating Co
Jenssen Industries
Lau Blower Co
Leigh Bldg Prods Div Air Con Prods Inc
Master Mechanic Mfg Co
McLean Engineering Labs
Meier Electric & Machine Co Inc
Olson Mfg Co
Peerless Electric Div H K Porter Co Inc
Reed Unit Fans Inc
Rich Phil Fan Mfg Co Inc
Robbins & Myers Inc
Standard Electric Mfg Co Inc
Starline Inc
Stewart S J Electric
Tennessee Fabricating Co
Utility Appliance Corp
Verneo Corp
Wasco Products Inc
Westinghouse Electric Corp
Zink John Co

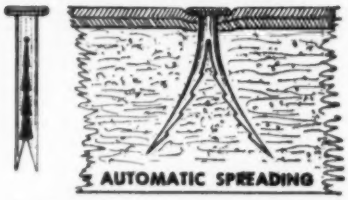
Fascia & Soffit, Aluminum

Keystone Alloys Co

Fasteners

Arro Expansion Bolt Co
Bethlehem Steel Co
Butcher & Hart Mfg Co
Carey Philip Mfg Co
E G Building Fasteners Corp

E. G. DO-ALL LOC-NAIL
for fastening roofing materials on insulated roof decks



E. G. BUILDING FASTENERS CORP.
101 Park Ave., New York 17, N.Y.

ES/Products Inc
Hassall John Inc
Hawkeye Sales Co
Hilti Rapid Fastening Systems Inc
Hosking John H Co
Knape & Vogt Mfg Co
Lamson & Sessions Co
Ludwig Mfg Co Inc
Molly Corp
Paine Co
Phillips Drill Co
Power Line Sales Inc
Ramset Fastening System
Reynolds Aluminum Supply Co
Sheffield Div Armco Steel Corp
Stanscrew Fasteners Div Standard Screw
Star Expansion Industries Corp
Stic-Klip Mfg Co Inc
Superior Fastener Corp

4 SIZES #0—#1 #2—#3

101 USES
WOOD JOINERS
SUPERIOR FASTENER CORP.
2635 Elston Ave., Chicago 18, Ill.

Tinnerman Products Inc
United States Gypsum Co

Faucets, Tub & Shower

Alamark Inc
American-Standard Plumbing & Htg Div
Chicago Faucet Co
Dick Brothers Inc
Gyro Brass Manufacturing Corp
Harvey Aluminum
McDonald A Y Mfg Co
Moen Faucet Div Standard Screw Co
Universal-Rundle Corp

Felt Roofing
(See Roofing, Asphalt)

Fencing

Anchor Fence Div Anchor Post Prods Inc
Arrow Tank Co Inc
Baumgartner Gate Factory
Century Fence Co
Colorado Fuel & Iron Corp
Colorado Fuel & Iron Corp
Continental Steel Corp

Dad & Lad Co
Filon Plastics Corp
Forbes Steel Corp
Habitant Fence Inc
Harris L C Cedar Ltd
Jones & Laughlin Steel Corp
Keystone Steel & Wire Co
Masonite Corp
Northwestern Steel & Wire Co
Sheffield Div Armco Steel Corp
Stewart Iron Works Inc

Fiber Board
(See Wallboard & Sheathing, Fiber; also Insulating Board)

Fiber Joint Sewer Pipe
(See Pipe, Sewer)

Files, Saw & Circular

Belsaw Machinery Co
Carborundum Co
Disston Div H K Porter Co Inc
Hanchett Mfg Co
Heller Tool Co
Hoe R & Co Inc
Huther Brothers Saw Mfg Co Inc
Nicholson File Co
Plumb Fayette R Inc
Simonds Saw & Steel Co

Finishers, Wallboard
(See Cement, Wallboard Joint)

Finishes & Sealers

Allied Chemical Corp Barrett Div
American Asbestos Product Co
American Floor Machine Co
American Marietta Co Valudra Div
American Varnish Co
Armstrong Cork Co
Asphalt Corp of America
Bangkok Industries Inc
Barreled Sunlight Paint Co
Berry Brothers Div of Am Marietta Co
Biddle Co
Borden Chemical Co Div Borden Co
Bruce E L Co
Camp Co Inc
Ceresit Waterproofing Corp
Chicago Bronze & Color Works
Clarke Floor Machine Co
Cromar Co
Dad & Lad Co
Devoe & Raynolds Co Inc
Dixon Joseph Crucible Co
Douglas & Sturgess
DuPont de Nemours & Co Inc E I
Elliott Paint & Varnish Co
Flexrock Co
Flintkote Co
Forman-Ford & Co
Glidden Co
Globe Paint Works Inc
Hild Floor Machine Co Inc
Horn A C Companies Div Sun Chem Corp
International Chemical Co Inc
Johnson's Wax
Kyanize Paints Inc
Lawrence W W & Co
Lowe Bros
Lucas John & Co Inc
Marietta Paint & Color Co
Martin-Senour Co
McGuffie Co
Minnesota Mining & Mfg Co
Minnesota Paints Inc
Minwax Co Inc

MINWAX
11 WEST 42nd ST.
NEW YORK 36, N.Y.

Miraplas Tile Co
Monroe Co Inc
Moore Benjamin & Co
National Chemical & Mfg Co
National Mfg Corp
O'Brien Corp
Pear Paint & Color Co
Patterson-Sargent Co
Peterson D J Co
Phelan-Faust Paint Mfg Co
Pittsburgh Plate Glass Co
Pratt & Lambert Inc
Protection Products Mfg Co
Quartz Mosaic Inc
Ranetite Mfg Co
Rockcote Paint Co
Sapolin Paints Inc
Seidlitz Paint & Varnish Co
Selby Battersby & Co
Sherwin-Williams Co
Sonneborn L Sons Inc
Stay-Tite Products Co
Steelcote Manufacturing Co
Tamms Industries Co
Thompson E A Co Inc
Tremco Mfg Co
Tufcrete Co Inc
Twentieth Century Paint & Varnish
United States Gypsum Co
United States Plywood Corp
U S Protective Coatings Inc
Valspar Corp
Vita-Var Corp
Wadsworth Howland & Co
Watco-Dennis Corp
Wooster Sealkote Co
X-Pando Corp
Yenkin-Majestic Paint Corp
Zinsser William & Co Inc

Finishing Machines, Concrete
(See Concrete Finishing Machines)

Fir, Lumber
(See Lumber, Fir, Douglas)

Fir, Plywood
(See Plywood, Douglas Fir)

Fire Alarm Systems
(See Alarms, Fire & Burglar)

Fire Extinguishers

Moore Pipe & Sprinkler Co

Fireplaces, Outdoor & Equipment

Adams Co
Bennett-Ireland Inc
Burr-Southern Div State Steel Ind Inc
Colonial Fireplace Co
Columbia Brick Works
Donley Brothers Co
Dura-Vent Corp
Goodwin of Calif Inc
Grillcraft Co
Harris Inc
Hasty-Bake Mfg Co Inc
Howes S M Inc
Industrial Iron Works
Majestic Co Inc
Miller Howard Clock Co
Morgan Company
Outdoor Oven Fireplace Co
Readybuilt Products Co
Silent Glow Oil Burner Co
State Steel Industries Inc
Strait & Richards Inc
Stratton Terstegge Co
Superior Fireplace Co
Thermo Rite Mfg Co
Vestal Mfg Co

Fireplaces, Prefabricated

Condensation Engineering Co
Condon-King Co
Donley Brothers Co
Hearthaire Conditioning Co
Majestic Co Inc
Oakland Foundry Co
Readybuilt Products Co
Stratton Terstegge Co
Vega Industries Inc

Fireplaces, Units, Metal

Bennett-Ireland Inc
Builders Brick Co
Builders Fireplace & Supply
Colonial Fireplace Co
Columbia Brick Works
Condon-King Co
Donley Brothers Co
Douglass Mfg Corp
Grillcraft Co
Hearthaire Conditioning Co
Majestic Co Inc
State Steel Industries Inc
Stratton Terstegge Co
Superior Fireplace Co
Vega Industries Inc
Vestal Mfg Co

Fixtures, Electric Lighting

Jaycandescent
LIGHTING ORIGINALS
100's of traditional, contemporary and transistional ceiling and wall fixture designs for home and commercial use.
PARASOL SERIES
J909

Newest light under the sun! Wall and ceiling fixtures resplendent in white and gold striping.
ANZAC—Spectacular wall and ceiling fixtures with walnut boomerang motif.
VISORlite®—New concept in dramatic wall lighting.
At distributors in principal cities or write for literature Dept. AB60.
JAY LIGHTING MFG. CO., Inc.
5 East 35th St., New York 16, N. Y.

American Louver Co
Arrow Hart & Hegeman Elec Co
Art Metal Co
Atlas Electric Prods Co
Benjamin Electric Co
Cannon Electric Co
Curtis-Allbrite Lighting Inc
Del Val Mfg Co
Eagle Electric Mfg Co
Emerson Electric Mfg Co
Emerson-Imperial Lighting Co
Emerson-Pryne Co

Turn to Section 2—Manufacturers Directory for all addresses

Frink Corp
Gen Electric Co Circuit Prot Devices
Glasolier Co
Great Northern Mfg Corp
Holophane Co Inc
Hubbell Harvey Inc
Jay Lighting Mfg Co Inc
Kirlin Co
Kraus Walter S Co
Kulin Co
Lightolier Inc
Litecraft Mfg Corp
Luminous Ceilings Inc
Markel Electric Prods Inc
Marvin Manufacturing Co
Miller Co
Miller Howard Clock Co
Morgan-Wightman Co
Pass & Seymour Inc
Penetray Corp
Prescolite
Progress Mfg Co Inc
Pyle-National Co
Rodale Manufacturing Co Inc
Silvray Lighting Inc
Smoot-Holman Co
Stonco Electric Prods Co
Swivelier Co Inc
Sylvania Elec Prods Inc
Tennessee Fabricating Co
Thomas Industries Inc
Touch Plate Mfg Corp
Virden John C Co
Virginia Glass Products Corp
Wakefield Co
Westinghouse Electric Corp
Wiley R & W Inc
Zenith Metal Products Co

Fixtures, Plumbing (See Plumbing Fixtures)

Flashing, Aluminum

Aluminum Co of America
Kaiser Aluminum & Chemical Sales Inc
Ludlow Papers Inc
Nichols Wire & Aluminum Co
Penn Supply & Metal Corp
Quaker State Metals Co
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Reynolds Metals Co
Wasco Products Inc
Yeck Mfg Co

Flashing, Copper

American Brass Co
American Sisalkraft Corp
Bridgeport Brass Co
Ceco Steel Prods Corp
Chase Brass & Copper Inc
Conver Steel & Wire Co
Delta Co
Hussey C G & Co
Inland Steel Products Co
Klauer Mfg Co
Ludlow Papers Inc
Penn Supply & Metal Corp
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Wasco Products Inc

Flashing, Galvanized & Terne

Bethlehem Steel Co
Ceco Steel Prods Corp
Columbia Brick Works
Conver Steel & Wire Co
Follansbee Steel Corp
Inland Steel Products Co
Klauer Mfg Co
Northwest Metal Products Inc
Penn Supply & Metal Corp
Reeves Steel & Mfg Co Div
Republic Steel Corp
Reynolds Aluminum Supply Co
Saint Paul Corrugating Co
Tennison Bros Inc
Wheeling Corrugating Co
Yeck Mfg Co

Flashing, Paper-Treated

American Sisalkraft Corp
Johns-Manville Corp
Kordite Corp
Lehon Co
Ludlow Papers Inc
National Mfg Corp
Pioneer Div Flintkote Co
Protective Papers Inc
Richkraft Co
Thilmany Pulp & Paper Co
Wasco Products Inc

Flashing, Plastic

Carrollton Manufacturing Co
Dasco Co Inc
Delta Co
Dow Chemical Co
Visking Co
Wasco Products Inc

Flooring, Asphalt Tile (See Tile, Asphalt)

Flooring, Beech

Marsh Lumber Co

Flooring, Ceramic Tile (See Tile, Ceramic)

Flooring, Cork (See Tile, Cork)

Flooring, Hardwood, Oak

Alabama Oak Flooring Co
Arkansas Oak Flooring Co
Atlanta Oak Flooring Co
Bradley So Div Potlatch Forests Inc
Bruce E L Co
Carpenter Oak Flooring Co
Chickamauga Cedar Co Inc
Cloud Oak Flooring Co
Commonwealth Lumber Corp
Connor Lumber & Land Co
Cook A B Co
Cook F C & Co
Cromar Co
Crossett Lumber Co
DeSoto Hardwood Flooring Co
Dierks Forests Inc
Exchange Sawmills Sales Co
Fair D L Lumber Co
Fordyce Lumber Co
Frost Forest Products Div
Galloway Lumber Co
General Oak Flooring Co
Georgia Pacific Corp
Graybeal C R & Sons
Grissom-Rakestraw Lumber Co
Hardwood Corp of America
Harris Hardwood Co Inc
Harris Mfg Co
Hassell & Parkes Inc
Higgins Industries Inc
Independence Oak Flooring Co
International Paper Co Long-Bell Div
Kentucky Flooring Co of Va Inc
King Lumber Industries
Leathers A H Mfg Co
Marsh Lumber Co
McMinnville Mfg Co
Meadow River Lumber Co
Meridian Wood Prods Co
Miller Bros Co
Monarch Flooring Co
Mower Lumber Co
National Forest Prods Co
Ozan Lumber Co
Ozark Oak Flooring Co
Phillips Rhyne Lumber Co Inc
Pickens Hardwood Flooring Co Inc
Plyfloor Inc
Plywood Co
Robbins Flooring Co
Searcy Flooring & Lumber Co Inc
Smith W T Lumber Co
Southern Pine Lumber Co
Texoak Flooring Co
Thomson Oak Flooring Co
Tibbals Flooring Co
Tremont Lumber Co
Triplett Lumber Co Inc
Veach-May-Wilson Inc
Virginia Oak Flooring Co Inc
Webster H E Lumber Co
Wells J W Lumber Co
Williams J L & Sons
Williams & Voris Hardwood Co
Wood-Mosaic Corp Parkay Div
Yawkey Bissell Hardwood Flooring Co
Youngblood Lumber Co

Flooring, Hardwood, Pre-Finished

Bangkok Industries Inc
Bradley So Div Potlatch Forests Inc
Bruce E L Co
Cromar Co
Fair D L Lumber Co
Higgins Industries Inc
Horner Flooring Co
McMinnville Mfg Co
Memphis Hardwood Flooring Co
Modernwood Co
Plyfloor Inc
Wood-Mosaic Corp Parkay Div

Flooring, Linoleum

Armstrong Cork Co
Bird & Son Inc
Congoleum-Nairn Inc

Flooring, Maple

Marvel Metal Prods Co

Flooring, Parquetry

Bangkok Industries Inc
Berger Insulation Co Inc
Bradley So Div Potlatch Forests Inc
Bruce E L Co
Connor Lumber & Land Co
Cromar Co
Diamond Lumber Co
Fair D L Lumber Co
Georgia Pacific Corp
Graybeal C R & Sons
Harris Mfg Co
Higgins Industries Inc
Modernwood Co
Plyfloor Inc
Robbins Flooring Co
Tibbals Flooring Co

Virginia Oak Flooring Co Inc
Wells J W Lumber Co
Wood-Mosaic Corp Parkay Div
Yawkey Bissell Hardwood Flooring Co

Flooring, Pecan

Hassell & Parkes Inc

Flooring, Pine & Fir

Bradley So Div Potlatch Forests Inc
Brooks-Scanlon Inc
Crossett Lumber Co
Dierks Forests Inc
Fair D L Lumber Co
Georgia Pacific Corp
Hardwood Corp of America
Lightsey Bros
Mauk Seattle Lumber Co
Ozan Lumber Co
Pacific Lumber Co
Phillips Ryhne Lumber Co Inc
Rosboro Lumber Co
Southern Pine Lumber Co
Veach-May-Wilson Inc
Weyerhaeuser Co Lumber & Plywood Div

Flooring, Plastic (See Tile, Vinyl)

Flooring, Rubber (See Tile, Rubber)

Flooring, Underlayment

Aetna Plywood & Veneer Co
Allied Chemical Corp Barrett Div
Allied Compositions Co Inc
American Asbestos Product Co
American Bitumuls & Asphalt Co
American Mat Corp
Armstrong Cork Co
Azrock Floor Prod Div Uvalde Rock
Borden Chemical Co Div Borden Co
Camp Co Inc
Carey Philip Mfg Co
Celotex Corp
Dasco Co Inc
Flexrock Co
Flintkote Co
Forest Fiber Products Co
Georgia Pacific Corp
Gering Plas Div Studebaker-Packard Co
Goodrich B F Co Flooring Products
Harbor Plywood Corp
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kochton Plywood & Veneer Co Inc
Masonite Corp
Meadow W R Inc
Milwaukee Plywood Co
Miracle Adhesives Corp
National Mfg Corp
Paxton Frank Lumber Co
Pecora Inc
Presstite Div American-Marietta Co
Protective Papers Inc
Selby Battersby & Co
Southern Plaswood Corp
Tamms Industries Co
Thomas Moulding Floor Co Inc
Thomason Plywood Corp
Tremco Mfg Co
Tufcrete Co Inc
United States Gypsum Co
United States Plywood Corp
Weyerhaeuser Co Silvatek Div
Wood Conversion Co

Flooring & Wall Covering, Marble (See also Stone, Marble)

Carthage Marble Corp
Dasco Co Inc
Marsh Wall Products Inc
Vermont Marble Co

Flue Lining

American Vitrified Prods Co
Columbia Brick Works
Dee Clay Pred Co Inc
Evans Brick Co
Interstate Brick Co
Owensboro Sewer Pipe Co
Patton Clay Mfg Co
Pomona Terra-Cotta Co
Robinson Clay Product Co
Stillwater Clay Products Co
Straitsville Brick Co
Streator Drain Tile Co

Flues & Chimneys, Prefabricated

Condensation Engineering Co
General Products Co
Majestic Co Inc
Metalbestos Div Wm Wallace Co
Streator Drain Tile Co
Van Packer Co Div Flintkote Co
Vega Industries Inc

Folding Doors (See Doors, Flexible & Folding)

Forced Air Furnaces (See Furnaces, Forced Air)

Fork Lifts (See Trucks, Fork Lift)

Forms, Concrete (See Concrete Forms)

Frames, Door & Window, Metal

Aetna Steel Prods Corp
Amweld Bldg Prods Div Am Weld & Mfg
Ceco Steel Prods Corp
Clay Equipment Corp
Federal Windows Mfg Co Inc
Fenestra Inc
International Fireproof Door Co
Kewanee Mfg Co
Knapp Brothers Mfg Co
Lorenz Prods Inc
Marmet Corp
Mauk Seattle Lumber Co
Mesker Bros Iron Co
Metal Crafters
Mueller Brass Co
National Aluminum Co
One-Der Frame Corp
Pittsburgh Plate Glass Co
Republic Steel Corp Truscon Div
Richards-Wilcox Mfg Co
Richmond Fireproof Door Co
Spartan Steel Products Corp
Starline Inc
Steelcraft Mfg Co
Trimco Metal Products
United Steel Fabricators Inc
Virginia Metal Products Inc

Frames, Door & Window, Wood

Andersen Corp
Anson & Gilkey Co
Bradley So Div Potlatch Forests Inc
Caradco Inc
Cole Mfg Co
Crestline Co
Curtis Companies Inc
Deer Park Pine Industry Inc
Dierks Forests Inc
Farley & Loetscher Mfg Co
Firpine Products Co
Fordyce Lumber Co
Georgia Pacific Corp
Goshen Sash & Door Co
Gregg & Son Inc
Hines Edward Lumber Co
Hyde-Murphy Co
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Keystone Frame & Mfg Co
Lorenz Prods Inc
Malta Mfg Co
Missoula White Pine Sash Co
Mutual Fir Column Co
Pacific Mfg Co
Pacific Mutual Door Co
Rockwell of Randolph Inc
Southern Mill & Mfg Co
Wel-Bilt Products Co
Western Pine Mfg Co
White Pine Sash Co
Woodward Lumber Co

Framing, Steel (See Steel, Structural)

Framing, Wood (See Lumber)

Freezers (See Refrigerators & Freezers)

Fronts, Store (See Store Fronts)

Furnaces, Counterflow Units

Airtemp Div Chrysler Corp
American Furnace Co
Amer Standard Air Conditioning Div
Armstrong Furn Co Div Natl U E
Bard Mfg Co
Bryant Manufacturing Co
Burnham Corp Warm Air & Cooling Div
Carrier Corp
Chattanooga Royal Co
Coleman Co Inc
Day & Night Mfg Co
Delco Appliance Div General Motors
Dowagiac Steel Furnace Co
Dravo Corp
Empire Stove Co
General Automatic Products Corp
Gen Electric Co Air Conditioning Dept
Heil-Quaker Corp
Henry Furnace Co
Hess Co
International Oil Burner Co
Iron Fireman Mfg Co
Jackson & Church Div York-Shipley Inc
Janitrol Heating & Air Conditioning
Kaustine Furnace & Tank Co
Lennox Industries Inc
Majestic Co Inc
Mayflower Air-Conditioners Inc
Meyer Furnace Co
Monogram Industries Inc
Morrison Steel Products Inc
Motor Wheel Corp Duo-Therm Div
Mueller Climatrol Div Worthington Corp
National-U S Radiator Corp
Niagara Furn Div Forest Fdry Co
Northwest Foundry & Furnace Co
Olsen C A Mfg Co
Patten J V Co
Payne Co
Perfection Industries Div Hupp Corp
Pioneer Manufacturing Co
Premier Furnace Co
Rheem Mfg Co
Richmond Plumbing Fixtures
Roberts Gordon Appliance Corp
Rybolt Heater Co
Samuel Stamping & Enameling Co
Sequoia Manufacturing Co
Smith A O Corp Permaglas Div
Stratton Terstegge Co
Temco Inc
Temperature Appliance Mfg Co
Thatcher Furnace Co
Toridheet Div Cleveland Steel Prods Corp

Turn to Section 2—Manufacturers Directory for all addresses

Typhoon Air Cond Co Div Hupp Corp
Viking Mfg Corp
Wayne Home Equipment Co Inc
Williams Oil-O-Matic Heat Co Div
Williamson Co
Wood John Co Heater & Tank Div
York Corp Sub Borg-Warner
York-Shipley Inc

Furnaces, Floor

Bryant Manufacturing Co
Cavalier Corp
Ceilheat Inc
Coleman Co Inc
Coolerator McGraw-Edison
Empire Stove Co
General Automatic Products Corp
Holly-General Co Div Siegler Corp
Janitrol Heating & Air Conditioning Div
Kresky Mfg Co Inc
Kresno-Stamm Mfg Co
Little H C Burner Co
Monogram Industries Inc
Morrison Steel Products Inc
Northwest Metal Products Inc
Payne Co
Premier Furnace Co
Rheem Mfg Co
Samuel Stamping & Enameling Co
Stratton Terstegge Co
Superflame Queen Prods Div King Seeley
Temco Inc
Temperature Appliance Mfg Co
Typhoon Air Cond Co Div Hupp Corp
Viking Mfg Corp
Zink John Co

Furnaces, Forced Air

Airtemp Div Chrysler Corp
American Furnace Co
American Standard Air Conditioning Div
Armstrong Furn Co Div Natl U E
Bard Mfg Co
Bryant Manufacturing Co
Burnham Corp Warm Air & Cooling Div
Carrier Corp
Chattanooga Royal Co
Coleman Co Inc
Day & Night Mfg Co
Delco Appliance Div General Motors
Dowagiac Steel Furnace Co
Dravo Corp
Empire Stove Co
Gaffers & Sattler
Gen Electric Co Air Conditioning Dept
Heil-Quaker Corp
Henry Furnace Co
Hess Co
Holland Furnace Co
Holly-General Co Div Siegler Corp
Ingersoll Prod Div Borg-Warner
International Oil Burner Co
Iron Fireman Mfg Co
Jackson & Church Div York-Shipley Inc
Janitrol Heating & Air Conditioning Div
Johnson S T Co
Kaustine Furnace & Tank Co
Lennox Industries Inc
Majestic Co Inc
Mayflower Air-Conditioners Inc
Meyer Furnace Co
Monogram Industries Inc
Morgan-Wightman Co
Morrison Steel Products Inc
Mueller Climatrol Div Worthington Corp
National-U S Radiator Corp
Niagara Furnace Div Forest Foundries Co
Norman Products Co
Northwest Foundry & Furnace Co
Olsen C A Mfg Co
Patten J V Co
Payne Co
Pennsylvania Furnace & Iron Co
Perfection Industries Div Hupp Corp
Premier Furnace Co
Radiation Furnace Corp
Reznor Mfg Co
Rheem Mfg Co
Richmond Plumbing Fixtures
Roberts Gordon Appliance Corp
Rybold Heater Co
Sequoia Manufacturing Co
Smith A O Corp Permaglas Div
Stewart-Warner Corp
Stratton Terstegge Co
Temco Inc
Temperature Appliance Mfg Co
Thatcher Furnace Co
Toridheet Div Cleveland Steel Prods Corp
Tuck-Aire Furnace Co
Typhoon Air Cond Co Div Hupp Corp
Viking Mfg Corp
Wayne Home Equipment Co Inc
Williams Oil-O-Matic Heat Co Div
Williamson Co
Wood John Co Heater & Tank Div
York Corp Sub Borg-Warner
York-Shipley Inc
Zink John Co

Furnaces, Suspended

Airtemp Div Chrysler Corp
American Furnace Co
American Standard Air Conditioning Div
Armstrong Furn Co Div Natl U E
Bard Mfg Co
Bryant Manufacturing Co
Burnham Corp Warm Air & Cooling Div
Carrier Corp
Chattanooga Royal Co
Chicago Fire Brick Co
Coleman Co Inc
Delco Appliance Div General Motors
Dowagiac Steel Furnace Co
Dravo Corp
Empire Stove Co
General Automatic Products Corp
Gilbert & Barker Mfg Co
Heil-Quaker Corp
Henry Furnace Co
Hess Co
Iron Fireman Mfg Co
Jackson & Church Div York-Shipley Inc
Janitrol Heating & Air Conditioning Div
Kaustine Furnace & Tank Co
Lennox Industries Inc
Majestic Co Inc
Mayflower Air-Conditioners Inc
Meyer Furnace Co
Morrison Steel Products Inc
Mueller Climatrol Div Worthington Corp
National-U S Radiator Corp
Niagara Furn Div Forest City Found Co
Norman Products Co
Northwest Foundry & Furnace Co
Olsen C A Mfg Co
Patten J V Co
Payne Co
Perfection Industries Div Hupp Corp
Pioneer Manufacturing Co
Premier Furnace Co
Reznor Mfg Co
Rheem Mfg Co
Richmond Plumbing Fixtures
Rybold Heater Co
Sequoia Manufacturing Co
Stratton Terstegge Co
Temco Inc
Thatcher Furnace Co
Toridheet Div Cleveland Steel Prods Corp
Typhoon Air Cond Co Div Hupp Corp
Viking Mfg Corp
Wayne Home Equipment Co Inc
Williams Oil-O-Matic Heating Co Div
Williamson Co
Wood John Co Heater & Tank Div
York Corp Sub Borg-Warner
York-Shipley Inc
Zink John Co

Furnaces, Wall

Armstrong Products Corp
Chattanooga Royal Co
Coleman Co Inc
Day & Night Mfg Co
Empire Stove Co
Gaffers & Sattler
Holly-General Co Div Siegler Corp
International Oil Burner Co
Kresky Mfg Co Inc
Little H C Burner Co
Morrison Steel Products Inc
Mueller Climatrol Div Worthington Corp
Northwest Metal Products Inc
Ohio Foundry & Mfg Co
Payne Co
Perfection Industries Div Hupp Corp
Pioneer Manufacturing Co
Samuel Stamping & Enameling Co
Stewart-Warner Corp
Suburban Propane Gas Corp
Temco Inc

Fuse Boxes

Adam Frank Electric Co
Columbia Metal Box Co
Cutler Hammer Inc
Federal Pacific Electric Co
General Electric Co Circuit Prot Devices
Kees F D Mfg Co
Keystone Mfg Co
Square D Co

Garage Doors
(See Doors, Garage)

Garage Hardware
(See Hardware, Garage)

Garages, Prefabricated
(See Directory of Home Manufacturers)

Garbage Disposers
(See Disposers, Garbage; also See Incinerators)

Generators, Engine-Driven

Fabrow Mfg Inc
Katolight Corp
Kohler Co
Onan D W & Sons Inc
Pacific Mercury Marketing Div
Universal Motor Co
Waukesha Motor Co
Wincharger Corp
Witte Engine Works Oil Well Supply Div

Generators, Portable, Electric

PIONEER
GEN-E-MOTOR
GENERATORS
PORTABLE • BELT DRIVEN • DIRECT MOUNTED

MODELS: 600 TO 12,000 WATTS CAPACITY
Write For Catalog and Complete Details
DEALER-DISTRIBUTOR INQUIRIES INVITED
PIONEERS IN GENERATORS FOR 35 YEARS
PIONEER GEN-E-MOTOR CORPORATION
5834 DICKENS AVE. • CHICAGO 39, ILL.

Allis Chalmers Mfg Const Mach Div
Caterpillar Tractor Co

Dayton Electric Mfg Co
Fairbanks Morse & Co
Homelite Div Textron Inc
Jackson Vibrators Inc
Katolight Corp
Kohler Co
Master Mechanic Mfg Co
Master Vibrator Co
Milwaukee Elec Tool Corp
Onan D W & Sons Inc
Pacific Mercury Marketing Div
Pioneer Gen E Motor Corp
Rockaway Sales Co
Speedway Mfg Div Thor Power Tool Co
Thor Power Tool Co
Universal Motor Co
Wincharger Corp
Winpower Mfg Co

Glass, Architectural & Ornamental

American-Saint Gobain Corp
Blue Ridge Glass Corp
Forman-Ford & Co
Libbey-Owens-Ford Glass Co
Mississippi Glass Co
Nurre Co
Pennsylvania Wire Glass Co
Perrine Industries Inc
Pittsburgh Plate Glass Co
Safetee Glass Co

Glass Blocks

Forman-Ford & Co
Kimble Glass Co Sub Owens-Illinois
Owens-Illinois
Perrine Industries Inc
Pittsburgh Corning Corp
Southern Sash Sales & Supply Co

Glass, Crystal Sheet

American-Saint Gobain Corp
Fourco Glass Co
Libbey-Owens-Ford Glass Co
Nurre Co
Pittsburgh Plate Glass Co
Toledo Plate & Window Glass Co

Glass, Double Pane

Forman-Ford & Co
Libbey-Owens-Ford Glass Co
Mondial United Corp
Nurre Co
Perrine Industries Inc
Pittsburgh Plate Glass Co
Toledo Plate & Window Glass Co

Glass, Plate

American-Saint Gobain Corp
Donnelly-Kelley Glass Co
Forman-Ford & Co
Goshen Sash & Door Co
Libbey-Owens-Ford Glass Co
Nurre Co
Pittsburgh Plate Glass Co
Safetee Glass Co
Toledo Plate & Window Glass Co

Glass, Structural

American-Saint Gobain Corp
Mondial United Corp
Perrine Industries Inc

Glass, Window, Wire

American-Saint Gobain Corp
Blue Ridge Glass Corp
Forman-Ford & Co
Goshen Sash & Door Co
Libbey-Owens-Ford Glass Co
Mississippi Glass Co
Nurre Co
Perrine Industries Inc
Pittsburgh Plate Glass Co
Toledo Plate & Window Glass Co

Glazing Compounds (See Caulking & Glazing Compounds)

Greenhouses, Prefabricated

Jones Shutter Products
Lord & Burnham Div Burnham Corp

Grilles, Door & Window

Bayley William Co
Cincinnati Iron Fence Co Inc
Curtis Companies Inc
Hendrick Mfg Co
Hutchinson R H & Co
Macklanburg-Duncan Co
Metal Crafters
Meyers Fred L Mfg Co
United States Register Co
Webb Mfg Co Inc
Yeck Mfg Co

Grinders, Drill

McDonough Mfg Co

Grinders, Tool & Cutter

McDonough Mfg Co

Guards, Areawall (See Areawalls & Guards)

Gum Lumber (See Lumber, Gum)

Guns, Caulking

Force-Flo Inc

Guns, Paint Spray (See Paint Spray Guns)

Guns, Pneumatic Concrete Application

Air Placement Equipment Co
Santa Anita Mfg Co
Sprayton Equipment Co

Guns, Pneumatic, Plaster

Plastering Development Center Inc

Gutters, Metal

Alabama Metal Lath Co Inc
Aluminum Co of America
Ceco Steel Prods Corp
Chase Brass & Copper Inc
Inland Steel Products Co
Keystone Mfg Co
Klauer Mfg Co
Lyon Conklin & Co Inc
Northwest Metal Products Inc
Penn Supply & Metal Corp
Quaker State Metals Co
Reeves Steel & Mfg Co
Republic Steel Corp
Reynolds Aluminum Supply Co
Reynolds Metals Co
Saint Paul Corrugating Co
Tennison Bros Inc
Wheeling Corrugating Co
Zurn Industries Inc Plumbing Prods Div

Gypsum Plaster (See Plaster, Gypsum)

Hammers, Gasoline

Barco Mfg Co

Hammers, Hand (See Tools, Carpenter, Hand)

Hammers, Pneumatic

Chicago Pneumatic Tool Co
Dotmar Industries Inc
Gardner-Denver Co
Ingersoll-Rand Co
Le Roi Div Westinghouse Air Brake Co
Power Line Sales Inc
Powernail Co
Speedway Mfg Div Thor Power Tool Co
Thor Power Tool Co
Worthington Corp

Hammers, Portable Electric

Black & Decker Mfg Co
Blum Julius & Co Inc
Homelite Div Textron Inc
Ingersoll-Rand Co
Master Vibrator Co
Millers Falls Co
Milwaukee Elec Tool Corp
Phillips Drill Co
Rawplug Co Inc
Skil Corp
Speedway Mfg Div Thor Power Tool Co
Stanley Electric Tools
Syntron Co
Thor Power Tool Co
Wodack Electric Tool Corp

Hangers, Bathtub

Amer-Standard Plumbing & Heating Div
Hollaender Manufacturing Co
Kohler Co
Lucke William B Inc
Mirro Chrome Co Inc

Hangers, Insulation

Moore Goodloe E Inc

Hangers, Joist & Lumber

Adams Co
Baumgartner Gate Factory
Cleveland Steel Specialty Co
Copco Steel & Engineering Co
Dayton Sure-Grip & Shore Co
Donley Brothers Co
Harris Inc
Ideal Hanger Co
Inland Steel Products Co
Kees F D Mfg Co

KEES HEAVY DUTY FLUSH MOUNTING JOIST HANGERS

. . . eliminate notching. Made of 14 gauge rust resistant galvanized steel. Can accommodate nails or lag screws. Inexpensive. Single or double width.

F. D. KEES MFG. CO.
Box 762 Beatrice, Nebraska

Lanebro Mfg Co
Rudeen N H Co Inc
Timber Engineering Co
Timber Fasteners Inc
United Steel Products Co
Vestal Mfg Co
Yeck Mfg Co

Hardboard

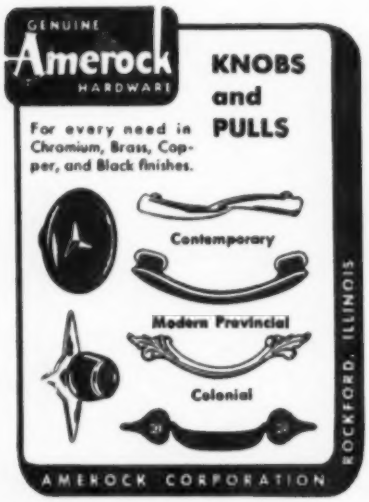
Abitibi Corporation
Aetna Plywood & Veneer Co
Armstrong Cork Co

Turn to Section 2—Manufacturers Directory for all addresses

Barclay Mfg Co Inc
Cascades Plywood Corp
Celotex Corp
Commonwealth Lumber Corp
Diamond Lumber Co
Erdle Perforating Co Inc
Evans Products Co
Evans Products Co
Flintkote Co
Forest Fiber Products Co
Georgia Pacific Corp
Harbor Plywood Corp
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kaiser Gypsum Co Inc
Keasbey & Mattison Co
Kochton Plywood & Veneer Co Inc
Marsh Wall Products Inc
Masonite Corp
Midwest Plywood Co
Milwaukee Plywood Co
National Gypsum Co
Oregon Lumber Co
Paxton Frank Lumber Co
Reynolds Aluminum Supply Co
Roddis Plywood Corp
Simpson Logging Co
Superwood Corp
United States Gypsum Co
United States Plywood Corp
Woodall Industries Inc
Woodward Lumber Co
Youngblood Lumber Co

Hardware, Cabinet

Acme Appliance Mfg Co Acme Bldrs
Acorn Mfg Co
Ajax Hardware Corp
Amerock Corporation

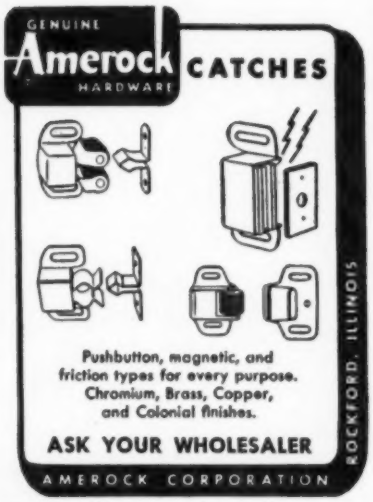


Aubrey Hardware Mfg Inc
Austin & Eddy Inc
Brainerd Mfg Co
Challenger Lock Co
Colonial Bronze Co
Corbin P & F Div Amer Hardware Corp
Designware Industries Inc
Dexter Lock Div Dexter Industries
Engineered Products Co
Extension Drawer Support Co
Frantz Mfg Co
Frick-Gallagher Mfg Co Inc
Gensco Tools
Grant Pulley & Hardware Corp
Griffin Mfg Co
H & M Cabinet Service
Hager C & Sons Hinge Mfg Co
Heller W C & Co
Ideal Brass Works Inc
Ives H B Co
Junior-Pro Products Co
Knape & Vogt Mfg Co
Laboratory Equip Corp
Lake Drive Products Co Inc
Lawrence Brothers Inc
Macklanburg-Duncan Co
McKinney Mfg Co
Mirra-Cote Co Inc
Morgan-Wightman Co
National Lock Co
National Mfg Co
Nordahl Sliding Door Frames
Pacific Brass & Hardware Mfg Co
Parker S Hdwe Mfg Corp
Penn-Akron Corp
Russell & Erwin Div Amer Hdwe Corp
Safe Padlock & Hdwe Co
Sargent & Co
Selck Walter E & Co
Sharon Hardware Mfg Co
Shelby Metal Prods Co
Shelby Spring Hinge Co
Slaymaker Lock Co
Soss Mfg Co
Stanley Works
Sterling John Corp
Sturdilite Products Inc
Triangle Mfg Co
Turner Corp
Washington Steel Prods
Western Lock Mfg Co
Yale & Towne Mfg Co Yale Lock & Hardware Div
Yoder Manufacturing Co

Hardware, Closet (See Closet Accessories)

Hardware, Door

Acme Appliance Mfg Co Acme Bldrs
Adams Rite Mfg Co
Air Control Products Inc
Ajax Hardware Corp
Allister Mfg Co Inc
Allith-Prouty Inc
American Screen Products Co
Amerock Corporation



Baldwin Hardware Mfg Corp
Bommer Spring Hinge Co Inc
Brainerd Mfg Co
Challenger Lock Co
Chicago Spring Hinge Co
Colorado Fuel & Iron Corp
Corbin P & F Div American Hdwe Corp
Detroit Hardware Mfg Co
Dexter Lock Div Dexter Industries
Earle Hardware Mfg Co
Fenestra Inc
Frantz Mfg Co
Getty H S & Co Inc
Gougler C L Machine Co Lock Div
Grand Specialties Co
Grant Pulley & Hardware Corp
Griffin Mfg Co
Hager C & Sons Hinge Mfg Co
Hardware Products Inc
Harloc Products Corp
Hinge Butt Template
Ideal Brass Works Inc
Independent Lock Co
Ives H B Co
Kant-Slam Door Check Co
Knape & Vogt Mfg Co
Kwikset Div American Hardware Corp
LCN Closers Inc
Lawrence Brothers Inc
Leigh Bldg Prods Div Air Con Prods Inc
Lockwood Hardware Mfg Co
Macklanburg-Duncan Co
McKinney Mfg Co
Morgan-Wightman Co

National Aluminum Co
National Lock Co
National Mfg Co
Norton Door Closer Co
Nudor Mfg Corp
Pacific Brass & Hardware Mfg Co
Parker S Hdwe Mfg Corp
Peters Jas & Son
Richards-Wilcox Mfg Co
Russell & Erwin Div Amer Hdwe Corp
Safe Padlock & Hdwe Co
Sargent & Co
Schlage Lock Co
Sentry Stop-A-Draft Co
Shelby Spring Hinge Co
Slaymaker Lock Co
Soss Mfg Co
Stanley Works
Starline Inc
Sterling John Corp
Trego Industries
United States Plywood Corp
Wagner Mfg Co
Washington Steel Prods
Weiser Co
Western Lock Mfg Co
Wright Prods Inc
Yale & Towne Mfg Co Yale Lock

Hardware, Garage, Upward Acting

Allith-Prouty Inc
Ambassa Dor Co
Barber Colman Co
Better-Bilt Door Co
Calder Mfg Co
Capitol Products Co
Colorado Fuel & Iron Corp
Crawford Door Co
Frantz Mfg Co
Hager C & Sons Hinge Mfg Co
Howell Mfg Co
Lawrence Brothers Inc
McKee Door Co
Phenix Mfg Co
Power Door Co
Raynor Mfg Co
Richards-Wilcox Mfg Co
Ridge Door Co
Stanley Works
Tavart Co
Taylor Lock Co
Wagner Mfg Co

Wel-Bilt Products Co
Winfield Door Corp
Yale & Towne Mfg Co Yale Lock

Hardware, Screen & Storm Sash

Ajax Hardware Corp
Amerock Corporation
Colorado Fuel & Iron Corp
Corbin P & F Div American Hdwe Corp
Dennis W J & Co
Earle Hardware Mfg Co
Engineered Products Co
Frantz Mfg Co
Griffin Mfg Co
Hager C & Sons Hinge Mfg Co
Handy Things Mfg Co
Ideal Brass Works Inc
Independent Lock Co
Kees F D Mfg Co
Knape & Vogt Mfg Co
Larson Chas O Co
Lawrence Brothers Inc
Lockwood Hardware Mfg Co
Ludwig Mfg Co Inc
McKinney Mfg Co
National Lock Co
National Mfg Co
Parker S Hdwe Mfg Corp
Russell & Erwin Div Amer Hdwe Corp
Safe Padlock & Hdwe Co
Sharon Hardware Mfg Co
Shelby Metal Prods Co
Shelby Spring Hinge Co
Slaymaker Lock Co
Stanley Works
Washburn Co
Western Lock Mfg Co
Wright Prods Inc
Yale & Towne Mfg Co Yale Lock

Hardware, Shelf, Revolving

Air Control Products Inc
Amerock Corporation

H & M Cabinet Service
Knape & Vogt Mfg Co

Hardware, Sliding & Folding Door

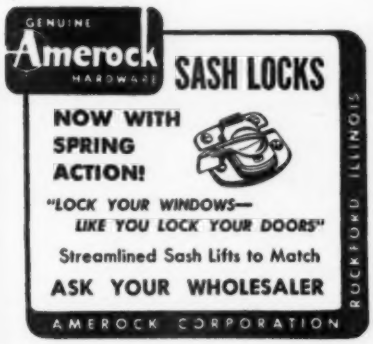
Acme Appliance Mfg Co Acme Bldrs
Adams Rite Mfg Co
Air Control Products Inc
Ajax Hardware Corp
Allith-Prouty Inc
American Screen Products Co
Challenger Lock Co
Clay Equipment Corp
Colorado Fuel & Iron Corp
Cox Arthur & Sons Inc
Croft Metal Products Inc
Designware Industries Inc
Dexter Lock Div Dexter Industries
Engineered Products Co
Frantz Mfg Co
Grant Pulley & Hardware Corp
Hager C & Sons Hinge Mfg Co
Independent Lock Co
Kennatrack Corp Sub Ekco Prods
Knape & Vogt Mfg Co
Labrie Mfg Co Inc
Lanebro Mfg Co
Lawrence Brothers Inc
Leigh Bldg Prods Div Air Con Prods Inc
Lockwood Hardware Mfg Co
Louden Machinery Co
Macklanburg-Duncan Co
McKinney Mfg Co
Morgan Company
Morgan-Wightman Co
National Aluminum Co
National Mfg Co
Nordahl Sliding Door Frames
Olson Mfg Co
Pacific Brass & Hardware Mfg Co
Parker S Hdwe Mfg Corp
Peters Jas & Son
Richards-Wilcox Mfg Co
Russell & Erwin Div Amer Hdwe Corp
Safe Padlock & Hdwe Co
Stanley Works
Starline Inc
Sterling John Corp
Wagner Mfg Co
Washington Steel Prods
Western Lock Mfg Co
Yale & Towne Mfg Co Yale Lock

Hardware, Structural

Ajax Building Bracket Co
Arro Expansion Bolt Co
Donley Brothers Co
Newark Ladder & Bracket Co Inc

Hardware, Window

A R B Window Sales Co
Ajax Hardware Corp
Allmetal Weatherstrip Co
Amerock Corporation



Corbin P & F Div American Hdwe Corp
Cox Arthur & Sons Inc
Croft Metal Products Inc
Detroit Hardware Mfg Co
Dexter Lock Div Dexter Industries
Fenestra Inc
Frantz Mfg Co
Getty H S & Co Inc
Grand Rapids Hardware Co
Griffin Mfg Co
Hager C & Sons Hinge Mfg Co
Ideal Brass Works Inc
Ives H B Co
Lawrence Brothers Inc
Ludman Corp
Macklanburg-Duncan Co
McKinney Mfg Co
Midwest Wholesale Hardware Co
National Lock Co
National Mfg Co
Pacific Brass & Hardware Mfg Co
Parker S Hdwe Mfg Corp
Rusco Windows Inc of Florida
Russell & Erwin Div Amer Hdwe Corp
Safe Padlock & Hdwe Co
Sargent & Co
Sharon Hardware Mfg Co
Shelby Metal Prods Co
Shelby Spring Hinge Co
Slaymaker Lock Co
Stanley Works
Star Expansion Industries Corp
Sterling John Corp
Unique Balance
Unique Window Balance Corp
Universal Window Co
Vulcan Metal Prods Inc
Whitney Vincent Co
Wright Prods Inc
Yale & Towne Mfg Co Yale Lock

Heat Pumps (See Pumps, Heat)

Heaters, Bathroom

Adam Frank Electric Co
Allied Precision Indus Inc
Armstrong Products Corp
Berns Air King Corp
Broan Mfg Co Inc
Cavalier Corp
Ceilheat Inc
Chattanooga Royal Co
Dixie Radiant Electric Heat Corp
Dura-Vent Corp
Electrend Products Corp
Electromode Div Commercial Controls
Emerson Electric Mfg Co
Emerson-Pryne Co
Empire Stove Co
Heatmore Inc
Hunter Div-Robbins & Myers Inc
Lehon Co
Markel Electric Prods Inc
Miami Cabinet Div Philip Carey Mfg
NuTone Inc
Ohio Foundry & Mfg Co
Samuel Stamping & Enameling Co
Shepler Mfg Co
Thermador Elec Mfg Co
Trade-Wind Div Robbins & Myers Inc
Ventrola Mfg Co
Wesix Electric Heater Co
Westinghouse Electric Corp
Wiegand Edwin L Co

Heaters, Contractors, Portable

Adams Co
American Air Filter Co
Armstrong Products Corp
Bica Co
Champion Mfg Co
Coleman Co Inc
Columbia Brick Works
Dixie Radiant Electric Heat Corp
Donley Brothers Co
Electromode Div Commercial Controls
Goldblatt Tool Co
Heil-Quaker Corp
Insto-Gas Corp
Jackson Mfg Co
Kelley Mach Div Wiesner-Rapp Co Inc
Locke Stove Co
Master Vibrator Co
Monarch Range Co
Muller Machinery Co Inc
Newark Ladder & Bracket Co Inc
Ohio Foundry & Mfg Co
Perfection Industries Div Hupp Corp
Silent Glow Oil Burner Co
Stiglitz Corp
Stow Mfg Co
Suburban Propane Gas Corp
Syro Steel Co
Thermador Elec Mfg Co
Vulcan Electric Co
Western Metal Specialty Co
Wiegand Edwin L Co

Turn to Section 2—Manufacturers Directory for all addresses

Heaters, Unit

Adams Bros Mfg Co Inc
Dura-Vent Corp
Heil-Quaker Corp
Holly-General Co Div Siegler Corp
International Oil Burner Co
Motor Wheel Corp Duo-Therm Div
Young Radiator Co

Heating Controls (See Controls, Heating)

Heating Registers (See Registers, Heating & Ventilating)

Heating Systems, Electric

Allied Precision Indus Inc
Berko Electric Mfg Corp
Brown Prods Co
Carrier Corp
Cavalier Corp
Ceilheat Inc
Continental Radiant Glass Heating
Coolerator McGraw-Edison
Dixie Radiant Electric Heat Corp
Electrend Products Corp
Electromode Div Commercial Controls
Emerson Electric Mfg Co
Everwarm Inc
Gen Elec Co Const Mat Sales Operation
General Electric Co Wiring Device Dept
Gerwin Industries Inc
Heatmore Inc
Hunter Div-Robbins & Myers Inc
ILG Electric Ventilating Co
International Oil Burner Co
Markel Electric Prods Inc
Meier Electric & Machine Co Inc
Muncie Gear Co
Precision Parts Corp
Rybolt Heater Co
Slant-Fin Radiator Corp
Sunwarm Inc
Thermador Elec Mfg Co
Typhoon Heat Pump Co Div Hupp Corp
Vulcan Electric Co
Wesix Electric Heater Co
Westinghouse Electric Corp
Wiegand Edwin L Co

Heating Systems, Forced Warm Air

Airtemp Div Chrysler Corp
American Furnace Co
American Standard Air Conditioning Div
Arkla Air Conditioning Corp
Armstrong Furn Co Div Natl U E
Bryant Manufacturing Co
Burnham Corp Warm Air & Cooling Div
Carrier Corp
Chattanooga Royal Co
Coleman Co Inc
Crane Co
Day & Night Mfg Co
Delco Appliance Div General Motors
Dowagiac Steel Furnace Co
Dravo Corp
Electrend Products Corp
Electromode Div Commercial Controls
Empire Stove Co
Evans Brick Co
General Automatic Products Corp
Gen Electric Co Air Conditioning Dept
Gerwin Industries Inc
Gilbert & Barker Mfg Co
Henry Furnace Co
Holland Furnace Co
Holly-General Co Div Siegler Corp
Hunter Div-Robbins & Myers Inc
Iron Fireman Mfg Co
Jackson & Church Div York-Shipley Inc
Kaustine Furnace & Tank Co
Kresky Mfg Co Inc
Kresno-Stamm Mfg Co
Lennox Industries Inc
Little H C Burner Co
Majestic Co Inc
Mayflower Air-Conditioners Inc
Meyer Furnace Co
Monogram Industries Inc
Morrison Steel Products Inc
Motor Wheel Corp Duo-Therm Div
Mueller Climatrol Div Worthington Corp
Murphy Precast Inc
National-U S Radiator Corp
Niagara Furn Div Forest City Foundries
Norman Products Co
Oakland Foundry Co
Olsen C A Mfg Co
Patten J V Co
Payne Co
Peerless Corp
Peerless Heater Co
Penn Boiler & Burner Mfg Corp
Perfection Industries Div Hupp Corp
Pioneer Manufacturing Co
Premier Furnace Co
Reznor Mfg Co
Rheem Mfg Co
Richmond Plumbing Fixtures
Roberts Gordon Appliance Corp
Robinson Clay Product Co
Rybolt Heater Co
Sequoia Manufacturing Co
Straitsville Brick Co
Stratton Terstegge Co
Temco Inc
Temperature Appliance Mfg Co
Viking Mfg Corp
Wiegand Edwin L Co
Williams Oil-O-Matic Heating Co
Williamson Co
Wood John Co Heater & Tank Div
York Corp Sub Borg-Warner
York-Shipley Inc
Zink John Co

Heating Systems, Hot Water & Steam

Aldrich Co
American Radiator & Standard Sanitary
American-Standard Plumbing & Heating
Bell & Gossett Co
Brown Prods Co
Burnham Boiler Corp
Carrier Corp
Crane Co
Delco Appliance Div General Motors
Dunham-Bush Inc
Dunkirk Radiator Corp
Edwards Engineering Corp
Embassy Steel Prods Inc
Erie City Iron Works
Fedders Corp
Federal Boiler Co Inc
Fitzgibbons Boiler Co Inc
General Automatic Products Corp
Gilbert & Barker Mfg Co
Hoffman Specialty Mfg Corp
Hydrotherm Inc
Iron Fireman Mfg Co
Johnson S T Co
Koven L O & Bro Inc
Kresno-Stamm Mfg Co
Kritzer Radiant Coils Inc
Little H C Burner Co
Lookout Boiler & Mfg Co
Modine Mfg Co
Mueller Climatrol Div Worthington Corp
National-U S Radiator Corp
Nesbitt John J Inc
Peerless Heater Co
Penn Boiler & Burner Mfg Corp
Precision Parts Corp
Rheem Mfg Co
Richmond Plumbing Fixtures
Roberts Gordon Appliance Corp
Ruud Mfg Co
Slant-Fin Radiator Corp

Slant/Fin hydronic baseboard sells homes faster

• offers more to buyer, builder, contractor • • most desired heating • most economical to install • made by hot water heating specialists • known by those who know • fastest installing baseboard • industry's premium product •

"The largest selling baseboard."

Slant/Fin Radiator Corporation, 130-15 89 Rd, Richmond Hill, N. Y.

Smith A O Corp Permaglas Div
Smith H B Co
Spencer Heater Lycoming Div-Avco
Stratton Terstegge Co
Suburban Propane Gas Corp
Taco Heaters Inc
Thrush H A & Co
Toridheet Div Cleveland Steel Prods Corp
Trane Co
Triplex Heating Specialty Co Inc
Utica Radiator Corp
Viking Mfg Corp
Vulcan Radiator Co
Waterfilm Boilers
Wayne Home Equipment Co Inc
Webster Warren & Co
Weil-McClain Co
Williams Oil-O-Matic Heating Co Div
Wood John Co Heater & Tank Div
York-Shipley Inc
Young Radiator Co

Heating Systems, Radiant

Allied Precision Indus Inc
Bell & Gossett Co
Berko Electric Mfg Corp
Burgess-Manning Co
Burnham Boiler Corp
Burnham Corp Warm Air & Cooling Div
Byers A M Co
Ceilheat Inc
Continental Radiant Glass Heating
Electromode Div Commercial Controls
Embassy Steel Prods Inc
Everwarm Inc
Heatmore Inc
Hunter Div-Robbins & Myers Inc
Hydrotherm Inc
Iron Fireman Mfg Co
Kritzer Radiant Coils Inc
Morrison Steel Products Inc
National-U S Radiator Corp
Panel Heat Inc
Precision Parts Corp
Reflectotherm Inc
Rempe Co
Stratton Terstegge Co
Sunwarm Inc
Taco Heaters Inc
Thermador Elec Mfg Co
Thrush H A & Co
Utica Radiator Corp
Viking Mfg Corp
Wesix Electric Heater Co
Wiegand Edwin L Co
Woodside Engineering Co
York-Shipley Inc

Hemlock Lumber
(See Lumber, Hemlock)

Hinges

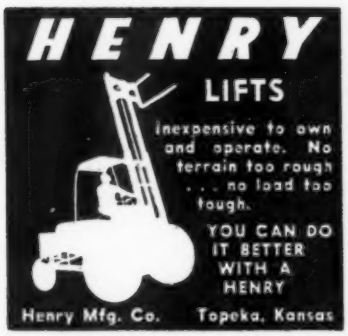
Ajax Hardware Corp
Amerock Corporation

Austin & Eddy Inc
Bommer Spring House Co Inc
Brainerd Mfg Co
Carey-McFall Co
Chicago Spring Hinge Co
Corbin P & F Div American Hdwe Corp
Frantz Mfg Co
Gensco Tools
Griffin Mfg Co
Hager C & Sons Hinge Mfg Co
Ideal Brass Works Inc
Knape & Vogt Mfg Co
Lawrence Brothers Inc
Leeds Edward & Co
McKinney Mfg Co
Miracle Hinge Co
Morgan-Wightman Co
National Lock Co
National Mfg Co
Pacific Brass & Hardware Mfg Co
Parker S Hdwe Mfg Corp
Richards-Wilcox Mfg Co
Russell & Erwin Div Amer Hdwe Corp
Safe Padlock & Hdwe Co
Sharon Hardware Mfg Co
Stanley Works
Wright Prods Inc

Hinges, Invisible

Amerock Corporation
National Lock Co
Parker S Hdwe Mfg Corp
Richards-Wilcox Mfg Co
Soss Mfg Co
Washington Steel Prods

Hoists & Derricks



Allis Chalmers Mfg Const Mach Div
American Engineering Co
American Hoist & Derrick Co
Beaver Advance Corp
Bil-Jax Inc
C H & E Manufacturing Co
Chicago Pneumatic Tool Co
Clyde Iron Works Inc
Construction Machinery Co
Gardner-Denver Co
Grand Specialties Co
Henry Mfg Co
Hewitt-Robins Inc
Hyster Co
Ingersoll-Rand Co
Jaeger Machine Co
King Mfg Co

KING HOISTS
Gasoline and Electric. Portable and material tower units. All sizes. 1, 2, 3 Drums. Also Derricks.
KING MANUFACTURING CORP.
3130 W. Chicago Ave., Chicago 22, Ill.

Lewis-Shepard Products Inc
Little Giant Prods Inc
Louden Machinery Co
Manning Maxwell & Moore Inc
McCabe Powers Body Co
Muller Machinery Co Inc
Novo Pump & Engine Co
Patent Scaffolding Co
Proctor Products Co
Reiman & Georger Inc
Robbins & Myers Inc
Round David & Son Inc
Sasgen Derrick Co
Shepard Niles Crane & Hoist Corp
Silent Hoist & Crane Co
Smith Hoist Mfg Co
Thor Power Tool Co
Tubular Structures Corp of America
Uhrden Inc
Universal Mfg Corp
Yale & Towne Mfg Co Yale Materials

Hoists, Truck

Galion Allsteel Body Co
Gar Wood Industries Inc
Hyster Co
Little Giant Prods Inc
Manning Maxwell & Moore Inc
McCabe Powers Body Co
Sasgen Derrick Co
Schwartz Mfg Co
Silent Hoist & Crane Co
Uhrden Inc

Hoods, Range

Air Control Products Inc
Aubrey Hardware Mfg Inc
Berns Air King Corp
Broan Mfg Co Inc
Cal Vent Manufacturing Co
Caloric Appliance Corp
Carey Philip Mfg Co
Chelsea Fan & Blower Co Inc
Ductless Hood Co Inc
Emerson-Pryne Co
Faseo Industries Inc
Gray & Dudley Co
Gregg & Son Inc
Janssen Industries
Lau Blower Co
Leigh Bldg Prods Div Air Con Prods Inc
Major Industries Inc
Miami Cabinet Div Philip Carey Mfg
Morgan-Wightman Co

National Stove Co
NuTone Stove Co
Pioneer Manufacturing Co
Preway Inc
Progress Mfg Co Inc
Roberts Mfg Co
Reynolds Aluminum Supply Co
Stanthony Corp
Stewart Industries Inc
Swanson Mfg Co
Tennessee Stove Works
Trade-Wind Div Robbins & Myers Inc
Universal Blower Co
Vent-A-Hood Co
Ventrola Mfg Co
West Wind Corp
Zenith Metal Products Co

Houses, Manufactured
(See Directory of Home Manufacturers)

Humidifiers

Abbeon Supply Co
Skuttle Mfg Co
Walton Laboratories Inc

Incinerators

Adams Co
Alsto Co
American Incinerator Corp
Bowser Inc Supply Div
Brule Incinerator Corp
Calcinator Corp
Caloric Appliance Corp
Chicago Fire Brick Co
Columbia Brick Works
Donley Brothers Co
Goder Joseph Inc
Holland Furnace Co
Incineration Div Bowser Inc
Incinerator Products Co
Industrial Iron Works
Kerner Incinerator Div
Lennox Industries Inc
Locke Stove Co
Majestic Co Inc
Norman W F Sheet Metal Mfg Co
Outdoor Oven Fireplace Co
Roper Geo D Corp
Suburban Propane Gas Corp
Superflame Queen Prods Div
Syrall Manufacturing Co
Waste King Corp

Instruments, Surveying

Berger C L & Sons
Bostrom-Brady Mfg Co
Copperweld Steel Co Wire & Cable Div
Dietzgen Eugene Co
Geo-Optic Co
Goldblatt Tool Co
Hopkins Manufacturing Co
Keuffel & Esser Co
Starrett L S Co
Warren-Knight Co
White David Instrument Co

Insulating Board, Plank & Tile
(See also Sheathing, Insulating Board)

Allied Chemical Corp Barrett Div

Turn to Section 2—Manufacturers Directory for all addresses

Armstrong Cork Co
Barclay Mfg Co Inc
Celotex Corp
Cemex of Arizona
Certain-Teed Sales Corp
Flinkote Co
Flintkote Co
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kaiser Gypsum Co Inc
National Gypsum Co
Pioneer Div Flintkote Co
Plastergon Wall Board Co
Protective Products Co
Reynolds Aluminum Supply Co
Rubatex Div of Great Amer Indus Inc
Simpson Logging Co
United States Gypsum Co
Wolverine Porcelain Enameling Co
Wood Conversion Co

Insulating Lath (See Lath, Insulating)

Insulating Plaster (See Plaster, Insulating)

Insulation, Aluminum Foil

Abbeon Supply Co
American Sisalkraft Corp
Certain-Teed Sales Corp
Corson G & W H Inc
Delta Co
Infra Insulation Inc
Insulation Industries Inc
Janesville Cotton Mills
Kaiser Aluminum & Chemical Sales Inc
Lehon Co
Lifetime Industries Inc
Lockport Mills Inc
Logan-Long Co
Ludlow Papers Inc
Protective Paper Inc
Quaker State Metals Co
Reflectal Corp Sub Borg Warner
Reynolds Aluminum Supply Co
Reynolds Metals Co
Ruberoid Co
Silvercote Prods Inc
Steelcote Manufacturing Co
Thilmany Pulp & Paper Co
Wilson Grant Inc

Insulation, Batt or Blanket, Cotton Fiber

Barnhardt Mfg Co
Insulation Industries Inc
Janesville Cotton Mills
Lockport Mills Inc
Logan-Long Co
Pioneer Div Flintkote Co
Reynolds Aluminum Supply Co
Taylor Bedding Mfg Co INS-Cotton Div
United States Rubber Co

Insulation, Batt or Blanket, Fiber Glass

Armstrong Cork Co
Berger Insulation Co Inc
Certain-Teed Sales Corp
Flintkote Co
Gustin-Bacon Mfg Co
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kochton Plywood & Veneer Co Inc
Logan-Long Co
Owens-Corning Fiberglas Corp
Pioneer Div Flintkote Co
Pittsburgh Plate Glass Co
Reynolds Aluminum Supply Co
Ruberoid Co
Sealtite Insulation Mfg Corp
Silvercote Prods Inc
Texas Vermiculite Co
Tiger Brands Div Basic Inc
Vermiculite-Northwest Inc

Insulation, Batt or Blanket, Mineral Wool

Allied Chemical Corp Barrett Div
Baldwin-Ehret-Hill Inc
Berger Insulation Co Inc
Carey Philip Mfg Co
Carney Co Inc
Celotex Corp
Chamberlin Co of America
Chicago Fire Brick Co
Corson G & W H Inc
Eagle-Picher Co
Forty-Eight Insulations Inc
Johns-Manville Corp
Kaiser Gypsum Co Inc
Lehon Co
Logan-Long Co
National Gypsum Co
Reynolds Aluminum Supply Co
Sealtite Insulation Mfg Corp
Tiger Brands Div Basic Inc
United States Gypsum Co
U S Mineral Wool Co

Insulation, Batt or Blanket, Wood Fiber

Berger Insulation Co Inc
Pal-O-Pak Insulation Co Inc
Reynolds Aluminum Suply Co
Wood Conversion Co

Insulation, Board, Fiber

Abitibi Corporation
Air O-Cel
Allied Chemical Corp Barrett Div
Bird & Son Inc
Carey Philip Mfg Co
Celotex Corp
Cemex of Arizona
Certain-Teed Sales Corp
Creo-Dipt Co Inc
Dant & Russell Inc
Flintkote Co
Homasote Co
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Keasbey & Mattison Co
Logan-Long Co
National Gypsum Co
Pioneer Div Flintkote Co
Plastergon Wall Board Co
Reynolds Aluminum Supply Co
Simpson Logging Co
Southern Pine Lumber Co
United States Gypsum Co
Weatherbest Corp
Wood Conversion Co

Insulation, Glass Cellular

Palo-O-Pak Insulation Co Inc
Pittsburgh Corning Corp
Reynolds Aluminum Supply Co
Ultra-Pane

Insulation, Granular Fill

Acme Brick Co
Armstrong Cork Co
Berger Insulation Co Inc
Certain-Teed Sales Corp
Dodson Mfg Co Inc
Graybeal C R & Sons
Great Lakes Carbon Corp Perlite Dept
Johns-Manville Corp
Nelson B F Mfg Co
Reynolds Aluminum Supply Co
Ruberoid Co
Texas Vermiculite Co
Vermiculite-Northwest Inc
Waylite Co
Wilson Grant Inc
Zonolite Co

Insulation, Rigid Foamed Plastic

Dow Chemical Co
Gilman Bros Co
Sterling Alderfer Co
Uni-Crest Div United Cork

Insulation, Roof, Deck (See Decking, Insulating)

Insulation, Slab Edge

Baldwin-Ehret-Hill Inc
Berger Insulation Co Inc
Certain-Teed Sales Corp
Dow Chemical Co
Forty-Eight Insulations Inc
Meadows W R Inc
National Gypsum Co
Owens-Corning Fiberglas Corp
Simpson Logging Co
Tiger Brands Div Basic Inc
U S Mineral Wool Co

Insulation, Spray On

Evercrete Corp
Great Lakes Carbon Corp Perlite Dept
Green A P Fire Brick Co
Keasbey & Mattison Co
Mortell J W Co
Pioneer Div Flintkote Co
Quigley Co Inc
Sealtite Insulation Mfg Corp
Texas Vermiculite Co
U S Mineral Wool Co
Vermiculite-Northwest Inc
Zonolite Co

Intercoms & Radios

Dukane Corp
Executone Inc
Fanon Electronic Industries Inc
Flush Wall Radio Co
Home Music Systems Inc
Kaar Engineering Corp
Mosley Electronics Inc
Motorola Communications & Electronics
Music & Sound Inc
Musicall Corp
NuTone Inc
Progress Mfg Co Inc
RCA Service Co Div of RCA
Rittenhouse Co Inc
Roberts Mfg Co
Simpson Mark Mfg Co Inc
Swanson Mfg Co
Talk-A-Phone Co
Talk-A-Radio Mfg Co
Trade-Wind Div Robbins & Myers Inc
Webster Electric Co

Iron, Ornamental (See Ornamental Iron)

Ironers, Built-In

Armstrong Products Corp
Ironrite Inc

Jacks, Ceiling

Gypsum Ceiling Jack Co

Jambs, Metal (See Frames, Door & Window)

Jointers (See Planers & Jointers)

Joist Bridging
(See Steel, Structural)

Joists, Concrete, Precast

Colorerete Industries Inc
Flexicore Co Inc
Stone Products Co

Joists, Steel

Bethlehem Steel Co
Ceco Steel Prods Corp
Cleveland Steel Specialty Co
Haven-Busch Co
International Steel Co
Jones & Laughlin Steel Corp
Laclede Steel Co
Macomber Inc
Penn Metal Co Inc
Republic Steel Corp
Republic Steel Corp Truscon Div
Ryerson Joseph T & Son
Sheffield Div Armco Steel Corp
Stran-Steel Corp Div Natl Steel Corp

Kitchen Appliances
(See Ranges & Ovens; also Refrigerators, Etc.)

Kitchen Cabinets, Metal

Beautycraft Kitchens Div Miller Metal
Dwyer Products Corp
Earle Kitchen Unit Co
Eljer Div Murray Corp of America
Gen Elec Co Appliance & Television Div
General Metalcraft Inc Olympia Div
Geneva Modern Kitchens
Kelvinator Div American Motors Co
Kohler Co
Kraus Walter S Co
Marvel Metal Prods Co
Morgan-Wightman Co
Oakland Foundry Co
Republic Steel Corp
Republic Steel Corp Berger Div
St Charles Mfg Co
Shirley Corp
Toledo Desk & Fixture Co
Tracy-American Kitchens
United Metal Cabinet Corp
Walters Mfg Co
Westinghouse Elec Appliance Div
Youngstown Kitchens
Zenith Metal Products Co

Kitchen Cabinets, Wood

Adams Engineering Co
Angel Co
Askren J I Co
Atkins Wood Products Corp
Beautycraft Kitchens Div Miller Metal
Belwood Industries Inc
Boro Wood Prods Co Inc
Brammer Mfg Co
Caradco Inc
Colonial Products Co
Coppes Inc
Curtis Companies Inc
Del-Mar Cabinet Co Inc
Earle Kitchen Unit Co
Farley & Loetscher Mfg Co
Gregg & Son Inc
Hyde-Murphy Co
Hyde Park Products Co
I-XL Furniture Co
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Kitchen Kompact Inc
Kitchen Maid Corp
Kitcheneering Co of America
Kraus Walter S Co
Major Line Products Co Inc
Marsh Furniture Co
Mengel Co
Merillat Woodworking Co
Morgan Company
Morgan-Wightman Co

WINDSOR KITCHEN CABINETS
MORGAN-WIGHTMAN
National Quality Supply House
WRITE FOR NEW 188 PAGE CATALOG
9910 PAGE - ST. LOUIS, MO.

Mutschler Bros
National Kitchens
Nevamar Carefree Kitchens
Pacific Mfg Co
Peerless-Wood Products
Precisionware Inc
Royal Woodwork Inc
Scheirich H J Co
Schenck William & Co
Spokane Sash & Door Co
Texboro Cabinet Corp
Western Pine Mfg Co
Westinghouse Electric Appliance Div
Wood Metal Industries
Yeck Mfg Co

Kitchens, Efficiency

Douglas Crestlyn International Inc

Ladders & Accessories
(See also Scaffolding & Shoring)

Abbeon Supply Co
Adams Engineering Co
Ajax Building Bracket Co
Babcock W W Co Inc
Ballymore Co
Bauer Mfg Co
Berg John Mfg Co
Bradley Southern Div Potlatch Forests
Clark J R Co
Clayton Mark & Co
Dayton Safety Ladder Co
Duo-Safety Ladder Corp
Flint A W Co
Goshen Churn & Ladder Inc
Holland Ladder & Mfg Co
Holms Mfg Co of Ohio
Howard Mfg Co
Larson Ladder Co
Louisville Ladder Co
Marlin Pool Equipment Co
Mayes Bros Tool Mfg Co
Michigan Ladder Co
Moulton Ladder Mfg Co
Newark Ladder & Bracket Co Inc
Patent Scaffolding Co
Philadelphia Screen Mfg Co
Rich Howard B Inc
Tilley John S Ladders Co Inc
Utility Body Co
Werner R D Co Inc
Zoss Ladder & Mfg Co

Laminated Plastic
(See Plastic Laminates)

Latches
(See Hardware, Cabinet; Hardware, Door; Hardware, Window)

Lath, Gypsum

Allied Chemical Corp Barrett Div
Bestwall Gypsum Co
Celotex Corp
Flintkote Co
Grand Rapids Gypsum Co
Jay Lighting Mfg Co Inc
Kaiser Gypsum Co Inc
National Gypsum Co
Reynolds Aluminum Supply Co
Ruberoid Co
United States Gypsum Co

Lath, Insulating

Bestwall Gypsum Co
Grand Rapids Gypsum Co
National Gypsum Co
Pioneer Div Flintkote Co
Plastergon Wall Board Co
Reynolds Aluminum Supply Co
Simpson Logging Co
United States Gypsum Co

Lath, Metal & Accessories
(See also Moldings, Metal)

Alabama Metal Lath Co Inc
B & T Metals Co
Benjamin Electric Co
Bostwick Steel Lath Co
Casings Inc & Drywall Trim Div
Ceco Steel Prods Corp
Goldsmith Metal Lath Co
Inland Steel Products Co
Kaiser Gypsum Co Inc
Keystone Steel & Wire Co
Klauer Mfg Co
National Aluminum Co
National Gypsum Co
Penn Metal Co Inc
Power Line Sales Inc
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Richkraft Co
Sanymetal Products Co Inc
Soule Steel Co
Structoglas Inc
United States Gypsum Co
Wheeling Corrugating Co

Laundry Tubs
(See Tubs, Laundry)

Levels, Carpenter & Masons

Berger C L & Sons
Bostrom-Brady Mfg Co
Columbia Brick Works
Empire Level Mfg Co
Engis Equipment Co
Goldblatt Tool Co
Graham John H & Co Inc
Hall Level & Mfg Works
Hydrolevel
Levelall
Macklanburg-Duncan Co
Mayes Bros Tool Mfg Co
Mayes R & Son Level Mfg Co
Millers Falls Co
Ox-Wall Tool Co Ltd
Peerless Level & Tool Co
Pickett Products Inc
Port Austin Level & Tool Mfg Co
Sands Level & Tool Co Div Harmon Inc
Scharf J H Mfg Co
Simplex Level Co
Stanley Tools
Starrett L S Co

Lighting Controls
(See Wiring Systems)

Lighting Fixtures
(See Fixtures, Electric Lighting)

Lighting, Outdoor, Gas

Arkla Air Conditioning Corp
General Gas Light Co
Glasolier Co
Roberts Gordon Appliance Corp

Turn to Section 2—Manufacturers Directory for all addresses

Limestone
(See Stone, Limestone)

Liners, Concrete Form
(See Concrete Form Liners)

Linoleum, Roll & Tile

Armstrong Cork Co
Bird & Son Inc
Bonafide Mills Inc
Congoleum-Nairn Inc
Fiberboard Paper Prods Inc
Flintkote Co

Lintels, Steel
(See Steel, Structural)

Loaders
(See Tractor Attachments & Bulldozer Attachments)

Locks, Door & Cabinet
(See Hardware, Door)

Louver Doors
(See Doors, Louver)

Louvers
(See Ventilators, Roof & Wall; also Registers, Heating)

Lumber, Birch

Aetna Plywood & Veneer Co
Atlanta Oak Flooring Co
Berger Insulation Co Inc
Commonwealth Lumber Corp
Connor Lumber & Land Co
Diamond Lumber Co
Goodman Lumber Div Calumet & Hecla
Hardwood Corp of America
Hines Edward Lumber Co
Horner Flooring Co
Meadow River Lumber Co
Mower Lumber Co
Paxton Frank Lumber Co
Robbins Flooring Co
Veach-May-Wilson Inc
Yawkey Bissell Hardwood Flooring Co
Youngblood Lumber Co

Lumber, Cypress

Arrow Tank Co Inc
Atlanta Oak Flooring Co
Berger Insulation Co Inc
Crossett Lumber Co
Georgia Pacific Corp
Hardwood Corp of America
Hillyer-Deutsch-Edwards Inc
Hines Edward Lumber Co
National Forest Prods Co
Phillips Rhyne Lumber Co Inc
Southern Pine Lumber Co
Triplett Lumber Co Inc
Youngblood Lumber Co

Lumber, Fir, Douglas

Arrow Tank Co Inc
Baxter J H & Co
Brookings Plywood Corp
Brooks-Scanlon Inc
Cascade Lumber Co Div Boise-Cascade
Comfort Geo N Lumber Co
Contact Lumber Co
Deer Park Pine Industry Inc
Diamond Lumber Co
Evans Products Co
Exchange Sawmills Sales Co
Firpine Products Co
Georgia Pacific Corp
Giustina Brothers Lumber Co
Gray Lumber & Shingle Co
Harbor Plywood Corp
Hines Edward Lumber Co
International Paper Co Long-Bell Div
Kochton Plywood & Veneer Co Inc
Martin Bros Cont & Timber Prods Corp
Mauk Seattle Lumber Co
Menasha Sales Corp
Miller George E Lumber Co
Neils J Lumber Co Div St Regis Paper
Ostin David Moulding Corp
Pacific Lumber Co
Pacific Mutual Door Co
Robinson Plywood & Timber Co
Rosboro Lumber Co
St Paul & Tacoma Lumber Co
Simpson Logging Co
Snellstrom Lumber Co
Summit Sales Co
Timber Products Co
U S Plywood Corp California Div
United States Plywood Corp
Webster H E Lumber Co
Western Pine Mfg Co
Weyerhaeuser Co Lumber & Plywood Div
Willamette Valley Lumber Co
Winton Lumber Sales Co
Youngblood Lumber Co

Lumber, Gum

Angelina Hardwood Sales Co
Crossett Lumber Co
Fair D L Lumber Co
Fordyce Lumber Co
Georgia Pacific Corp
Hardwood Corp of America
Hines Edward Lumber Co
International Paper Co Long-Bell Div
Southern Pine Lumber Co
Texoak Flooring Co
Tibbals Flooring Co
United States Plywood Corp
Veach-May-Wilson Inc
Williams J L & Sons

Lumber, Hemlock, Western

Comfort Geo N Lumber Co
Commonwealth Lumber Corp
Connor Lumber & Land Co
Diamond Lumber Co
Georgia Pacific Corp
Giustina Brothers Lumber Co
Goodman Lumber Div Calumet & Hecla
Gray Lumber & Shingle Co
Hines Edward Lumber Co
International Paper Co Long-Bell Div
Kochton Plywood & Veneer Co Inc
Martin Bros Cont & Timber Prods Corp
Mauk Seattle Lumber Co
Miller George E Lumber Co
Neils J Lumber Co Div St Regis Paper
Pacific Mutual Door Co
Robinson Plywood & Timber Co
Rosboro Lumber Co
St Paul & Tacoma Lumber Co
Simpson Logging Co
Southern Mill & Mfg Co
Summit Sales Co
United States Plywood Corp
Veach-May-Wilson Inc
Weyerhaeuser Co Lbr & Plywood Div
Willamette Valley Lumber Co
Winton Lumber Sales Co

Lumber, Mahogany

Atlantic Oak Flooring Co
Caloric Appliance Corp
Hardwood Corp of America
International Paper Co Long-Bell Div
Mauk Seattle Lumber Co
Paxton Frank Lumber Co
Youngblood Lumber Co

Lumber, Maple

Arrow Tank Co Inc
Atlanta Oak Flooring Co
Berger Insulation Co Inc
Commonwealth Lumber Corp
Connor Lumber & Land Co
Cook F C & Co
Georgia Pacific Corp
Goodman Lumber Div Calumet & Hecla
Griffith Lumber Co
Hardwood Corp of America
Hines Edward Lumber Co
Horner Flooring Co
McMinnville Mfg Co
Meadow River Lumber Co
Mower Lumber Co
Paxton Frank Lumber Co
Phillips Rhyne Lumber Co Inc
Robbins Flooring Co
Tibbals Flooring Co
Veach-May-Wilson Inc
Williams J L & Sons
Yawkey Bissell Hardwood Flooring Co
Youngblood Lumber Co

Lumber, Oak, Red & White

Aetna Plywood & Veneer Co
Angelina Hardwood Sales Co
Arkansas Oak Flooring Co
Arrow Tank Co Inc
Atlanta Oak Flooring Co
Berger Insulation Co Inc
Commonwealth Lumber Corp
Cook F C & Co
Crossett Lumber Co
Fair D L Lumber Co
Fordyce Lumber Co
Georgia Pacific Corp
Goodman Lumber Div Calumet & Hecla
Griffith Lumber Co
Hardwood Corp of America
Hines Edward Lumber Co
McMinnville Mfg Co
Meadow River Lumber Co
Memphis Hardwood Flooring Co
Miller Bros Co
Mower Lumber Co
Paxton Frank Lumber Co
Phillips Rhyne Lumber Co Inc
Robbins Flooring Co
Southern Pine Lumber Co
Texoak Flooring Co
Tibbals Flooring Co
Tremont Lumber Co
Veach-May-Wilson Inc
Virginia Oak Flooring Co Inc
Williams J L & Sons
Yawkey Bissell Hardwood Flooring Co
Youngblood Lumber Co

Lumber, Pine

Arrow Tank Co Inc
Bradley Southern Div Potlatch Forests
Brooks-Scanlon Inc
Bruce E L Co
Cascade Lumber Co Div Boise-Cascade
Comfort Geo N Lumber Co
Commonwealth Lumber Corp
Connor Lumber & Land Co
Contact Lumber Co
Cook A B Co
Crawford Corp
Crossett Lumber Co
Deer Park Pine Industry Inc
Dierks Forests Inc
Exchange Sawmills Sales Co
Fair D L Lumber Co
Firpine Products Co
Fordyce Lumber Co
Galloway Lumber Co
Georgia Pacific Corp
Goodman Lumber Div Calumet & Hecla
Gray Lumber & Shingle Co
Harbor Plywood Corp
Hardwood Corp of America
Hillyer-Deutsch-Edwards Inc

Hines Edward Lumber Co
International Paper Co Long-Bell Div
Kochton Plywood & Veneer Co Inc
Mauk Seattle Lumber Co
National Forest Prods Co
Neils J Lumber Co Div St Regis Paper
Ostin David Moulding Corp
Ozan Lumber Co
Pacific Mutual Door Co
Paxton Frank Lumber Co
Phillips Rhyne Lumber Co Inc
Pickering Lumber Corp
Smith M R Shingle Co
Southern Mill & Mfg Co
Southern Pine Lumber Co
Timber Products Co
Tremont Lumber Co
Triplett Lumber Co Inc
US Plywood Corp California Div
United States Plywood Corp
Veach-May-Wilson Inc
Webster H E Lumber Co
Western Pine Mfg Co
Weyerhaeuser Co Lumber & Plywood Div
Winton Lumber Sales Co
Woodward Lumber Co
Youngblood Lumber Co

Lumber, Redwood

Arrow Tank Co Inc
Comfort Geo N Lumber Co
Georgia Pacific Corp
Gray Lumber & Shingle Co
Kochton Plywood & Veneer Co Inc
Mauk Seattle Lumber Co
Pacific Lumber Co
Paxton Frank Lumber Co
Redwood Sales Co
Simpson Redwood Co
Southern Mill & Mfg Co
Webster H E Lumber Co
Western Door & Plywood Corp
Winton Lumber Sales Co
Youngblood Lumber Co

Machines, Concrete Flooring
(See Concrete Finishing Machines)

Machines, Nailing
(See Nailing Machines)

Machines, Office
(See Office Machines & Equipment)

Maple Lumber
(See Lumber, Maple)

Marble
(See Flooring & Wall Covering, Marble; also Stone, Marble)

Masonry Tools
(See Tools, Masons, Plasterers)

Mesh, Reinforcing
(See Reinforcing Bars & Mesh)

Metal Lath & Moldings
(See Lath, Metal; also Moldings, Metal)

Millwork & Moldings, Wood

Aetna Plywood & Veneer Co
Angelina Hardwood Sales Co
Ansen & Gilkey Co
Arkansas Oak Flooring Co
Belwood Industries Inc
Bendix Mouldings Inc
Bradley Southern Div Potlatch Forests
Bruce E L Co
Cloud Oak Flooring Co
Connor Lumber & Land Co
Contact Lumber Co
Cook A B Co
Crestline Co
Curtis Companies Inc
Dierks Forests Inc
Elliott Bay Mill Co
Farley & Loetscher Mfg Co
Grinnell Sash & Door Co
Harbor Plywood Corp
Hardwood Corp of America
Heller W C & Co
Hines Edward Lumber Co
Hyde-Murphy Co
International Paper Co Long-Bell Div
Marsh Lumber Co
Martin Bros Cont & Timber Prods Corp
Mauk Seattle Lumber Co
Memphis Hardwood Flooring Co
Morgan Company
Morgan-Wightman Co
Mutual Fir Column Co
National Forest Prods Co
Ostin David Moulding Corp
Ozark Oak Flooring Co
Pacific Mutual Door Co
Paxton Frank Lumber Co
Philadelphia Screen Mfg Co
Plywall Prods Co
Rock Island Millwork Co Factory Div
Roddis Plywood Corp
Schwerd A F Mfg Co
Southern Mill & Mfg Co
Spokane Sash & Door Co
Tyee Lumber Mfg Co
United States Plywood Corp
Virginia Oak Flooring Co Inc
Western Pine Mfg Co
Weyerhaeuser Co Lumber & Plywood Div
Winton Lumber Sales Co

Mixers, Concrete
(See Concrete Mixers)

Moldings, Hardboard

Marsh Wall Products Inc
Tex-A-Panel Mfg Co
Tremont Lumber Co

Moldings, Metal

Afco Corp
Alabama Metal Lath Co Inc
Aluminum Co of America
American Brass Co
Ames Metal Moulding Co
B & T Metals Co
Barclay Mfg Co Inc
Bendix Mouldings Inc
Blum Julius & Co Inc
Bostwick Steel Lath Co
Casings Inc & Drywall Trim Div
Chamberlin Co of America
Chase Brass & Copper Inc
Colonial Moulding & Frame Co Inc
Consoweld Corp
Formetal Inc
Goldsmith Metal Lath Co
Inland Steel Products Co
Kawneer Co
Kewanee Mfg Co
Kinkead Industries Inc
Knapp Brothers Mfg Co
Loxit Systems Inc
Loxcreen Co Inc
Macklanburg-Duncan Co
Marsh Wall Products Inc
Metal Trims Inc
Miraplas Tile Co
Murray Hilten B
National Aluminum Co
National Gypsum Co
National Metal Prods
National Window Corp
Nichols Wire & Aluminum Co
Parkers S Hdwe Mfg Corp
Penn Metal Co Inc
Penn Supply & Metal Corp
Pittsburgh Plate Glass Co
Prestile Mfg Co
Pyramid Mouldings Inc
Republic Steel Corp Truscon Div
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Screens & Fabric Metals Corp
Seick Walter E & Co
Superior Industries Inc
Tex-A-Panel Mfg Co
United Industries Inc
United States Gypsum Co
United States Plywood Corp
Wallace Mfg Co
Wells Aluminum Corp
Werner R D Co Inc
Wheeling Corrugating Co
Woodside Engineering Co
Yeck Mfg Co
Youngstown Mfg Inc

Moldings, Plastic

Ames Metal Moulding Co
Asphalt Corp of America
Azrock Floor Prods Div Uvalde Rock
Consoweld Corp
Hartglass Corp
Johnson Plastics Corp
Kentile Inc
Marsh Wall Products Inc
National Plastic Products Co
United States Rubber Co

Moldings, Rubber

Asphalt Corp of America
Goodrich B F Co Flooring Products
Wright Mastic Tile Div Ruberoid Co

Moldings, Wood
(See Millwork & Moldings, Wood)

Mortar Boxes

Adams Co
Anchor Mfg Co
Buch Co Div of Moto-Mower Inc
Columbia Brick Works
Donley Brothers Co
General Engines Co Inc
Goldblatt Tool Co
Harris Inc
Jackson Mfg Co
Kewanee Mfg Co
Newark Ladder & Bracket Co Inc
Vestal Mfg Co

Nailing Machines

Auto-Nailer Co
Cainail Inc
Fastener Corp
Independent Nail & Packing Co
Morgan Machine Co
Power Line Sales Inc
Powernail Co
Safety Nail Driver Corp
Spotnails Inc

Nails, Aluminum

Aluminum Co of America
Angell Nail & Chaplet Co
Chase Brass & Copper Inc
Hassall John Inc
Kaiser Aluminum & Chemical Sales Inc
Lifetime Industries Inc

Turn to Section 2—Manufacturers Directory for all addresses

Macklanburg-Duncan Co
Nichols Wire & Aluminum Co
Power Line Sales Inc
Powernail Co
Quaker State Metals Co
Reynolds Aluminum Supply Co
Reynolds Metals Co

Nails, Colored

Amer Steel & Wire Div US Steel Corp
Angell Nail & Chaplet Co
Maze W H Co

Mid-States Steel & Wire Co
Reynolds Aluminum Supply Co

Nails, Common

Amer Steel & Wire Div US Steel Corp
Angell Nail & Chaplet Co
Bethlehem Steel Co
Chase Brass & Copper Inc
Colorado Fuel & Iron Corp
Colorado Fuel & Iron Corp
Columbia Geneva Steel Div US Steel
Continental Steel Corp
Jones & Laughlin Steel Corp
Keystone Steel & Wire Co
Maze W H Co

Mid-States Steel & Wire Co
Morgan-Wightman Co
Northwestern Steel & Wire Co
Republic Steel Corp
Reynolds Aluminum Supply Co
Sheffield Div Armco Steel Corp
Tennessee Coal & Iron Div US Steel
Wickwire Bros Inc

Nails, Ring & Screw Type

Amer Steel & Wire Div US Steel Corp
Angell Nail & Chaplet Co
Bethlehem Steel Co
Chase Brass & Copper Inc
Colorado Fuel & Iron Corp
Continental Steel Corp
Deniston Co
E G Building Fasteners Corp
Hassall John Inc
Hillwood Mfg Co
Independent Nail & Packing Co
Keystone Steel & Wire Co
Maze W H Co

Mid-States Steel & Wire Co
Nichols Wire & Aluminum Co
Northwestern Steel & Wire Co
Reynolds Aluminum Supply Co
Sheffield Div Armco Steel Corp

Nails, Self-Locking

Amer Steel & Wire Div US Steel Corp
Angell Nail & Chaplet Co
Bethlehem Steel Co
E G Building Fasteners Corp
ES/Products Inc
Hassall John Inc
Reynolds Aluminum Supply Co

Nooks, Dining

Angel Co
Bianco Mfg Co
Dormalux Co Inc

Oak Lumber
(See Lumber, Oak)

Office Machines & Equipment

Aetna Steel Prods Corp
American Photocopy Equipment Co
Burroughs Corp
Copymation Inc
Cutler Metal Prods Co
Dick A B Co
Diebold Inc
Dukane Corp
Egry Register Co
Elliott Addressing Machine Co
Friden Inc
Hubbell H L Mfg Co
Indiana Cash Drawer Co

UNDER-COUNTER CASH DRAWER ONLY $29.95
6 coin tills, 5 currency compartments. Warning bell and disc tumbler lock. Made of Indiana hardwoods. Smooth lacquer interior. Natural lacquer or office gray exterior (specify): Size 18¾" W x 14¾" D x 4½" High.
STANDARD WITH MOST CHAIN STORES. Order or write today!
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International Business Machines Corp
Kirk Plastics Co
Marchant Div Smith-Corona Marchant
Minnesota Mining & Mfg Co
Mosler Safe Co
National Cash Register Co
Olivetti Corp of America
Remington Rand Div Sperry Rand
Silver Bells Ltd
Smith-Corona Marchant Inc
Standard Register Co
Sunroc Corp
Swift Business Machines Corp
Underwood Corp
Victor Adding Machine Co
Woodall Industries Inc

Operators, Door
(See Door Operators, Garage)

Ornamental Iron

Adams Co
Auer Register Co
Baumgartner Gate Factory
Bellkool Co Inc
Blum Julius & Co Inc
Cincinnati Iron Fence Co Inc
Coffman R G Co Inc
Haven-Busch Co
Kingsford Ornamental Building Prods
Locke Manufacturing Co
Logan Co
Mesker George L Steel Corp
Metal Crafters
Meyers Fred L Mfg Co
Michel & Pfeffer Iron Works Inc
Morgan-Wightman Co
Reynolds Aluminum Supply Co
Samcoe Wm J Iron Co
Stewart Iron Works Inc
Tennessee Fabricating Co
Valley Metal Products
Versa Products Co
Woodward Lee L Sons

Ovens, Built-In
(See Ranges & Ovens, Built-In)

Paint Removers

Savogran Co

Paint Spray Guns

Brown W R Corp
Burgess Vibrocrafters Inc
Colorcrete Industries Inc
Cook Paint & Varnish Co
Dayton Electric Mfg Co
Devilbiss Co
Hudson H D Mfg Co
Pittsburgh Plate Glass Co
Root-Lowell Corp
Thomas Industries Inc Elec Sprayit Div

Paints & Coatings, Acoustical
(See Plaster, Acoustical)

Paints & Coatings, Concrete, Brick, Stucco

Allied Chemical Corp Barrett Div
Allied Compositions Co Inc
American Asbestos Product Co
American Marietta Co Valdura Div
American Sta-Dri Co
American Varnish Co
Anti Hydro Waterproofing Co
Arco Co
Armstrong Cork Co
Barreled Sunlight Paint Co
Berry Bros Div of American Marietta Co
Borden Chemical Co Div Borden Co
Cabot Samuel Inc
Calbar Paint & Varnish Co
Camp Co Inc
Carter-Waters Corp
Ceresit Waterproofing Corp
Chicago Bronze & Color Works
Coddington E D Mfg Co
Colorcrete Industries Inc
Cook Paint & Varnish Co
Cool Roof Inc
Dasco Co Inc
Devoe & Raynolds Co Inc
Dixon Joseph Crucible Co
DuPont de Nemours & Co Inc E I
Elliott Paint & Varnish Co
Evercrete Corp
Fiberboard Paper Prods Inc
Flexrock Co
Forman-Ford & Co
Forrers Div Spray-O-Bond Co
Glidden Co
Globe Paint Works Inc
Horn A C Companies Div Sun Chem Corp
Jewel Paint & Varnish Co
Johnson's Wax
Kay-Tite Co
Kyanize Paints Inc
Lastik Paint Inc
Lawrence W W & Co
Linseed Oil Products Co
Lowe Bros

Lucas John & Co Inc
Maguire Walter Co Inc
Marietta Paint & Color Co
Martin-Senour Co
Masonry Waterproofing Co Inc
Minnesota Paints Inc
Minwax Co Inc
Mobile Paint Mfg Co
Monroe Co Inc
Moore Benjamin & Co
National Casein Co
National Chemical & Mfg Co
National Gypsum Co
National Lead Co
National Mfg Corp
O'Brien Corp
Parker Ira & Sons
Patterson-Sargent Co
Penn Crete Prods Co
Pennsalt Chemicals Corp
Permagile Corp of America
Permiteco Inc
Peterson D J Co
Phelan-Faust Paint Mfg Co
Pittsburgh Plate Glass Co
Pratt & Lambert Inc
Protectub Inc
Quartz Mosaic Inc
Quigley Co Inc
Reardon Co
Re-Nu-It Corp
Rockcote Paint Co
Rust-Oleum Corp
Sapolin Paints Inc
Sargent-Gerke Co
Seddon Co
Seidlitz Paint & Varnish Co
Shakertown Corp
Sherwin-Williams Co
Silicones Div Union Carbide
Smooth-On Mfg Co
Sonneborn L Sons Inc
Standard Dry Wall Products Inc
Steelcote Manufacturing Co
Sullivan Co The
Super Concrete Emulsions
Surface Protection Co Inc
Tamms Industries Co
Toch Bros
Tremco Mfg Co
Truscon Labs Inc
Tufcrete Co Inc
Twentieth Century Paint & Varnish
United States Gypsum Co
US Protective Coatings Inc
Valspar Corp
Vita-Var Corp
Wadsworth Howland & Co
Watco-Dennis Corp
Wilbur & Williams Co
Wooster-Sealkote Co

Paints & Coatings, Roof

Abesto Manufacturing Co
Allied Chemical Corp Barrett Div
American Asbestos Product Co
American Marietta Co Valdura Div
Arco Co
Barreled Sunlight Paint Co
Borden Chemical Co Div Borden Co
Cabot Samuel Inc
Carey Philip Mfg Co
Chicago Bronze & Color Works
Cook Paint & Varnish Co
Cool Roof Inc
Dad & Lad Co
Dasco Co Inc
Dixon Joseph Crucible Co
Donley Brothers Co
DuPont de Nemours & Co Inc E I
Forman-Ford & Co
Glidden Co
Globe Paint Works Inc
Henry W W Co
Horn A C Companies Div Sun Chem Corp
Kyanize Paints Inc
Lastik Paint Inc
Lawrence W W & Co
Lucas John & Co Inc
Marietta Paint & Color Co
Meadows W R Inc
Minnesota Paints Inc
Monroe Co Inc
National Mfg Corp
Nelson B F Mfg Co
Permiteco Inc
Phelan-Faust Paint Mfg Co
Pioneer Div Flintkote Co
Pittsburgh Plate Glass Co
Quigley Co Inc
Seddon Co
Seidlitz Paint & Varnish Co
Sheffield Bronze Paint Corp
Sherwin-Williams Co
Sonneborn L Sons Inc
Steelcote Manufacturing Co
Sullivan Co The
Toch Bros
Tufcrete Co Inc
Twentieth Century Paint & Varnish
United States Gypsum Co
Vita-Var Corp
Wadsworth Howland & Co
Wilbur & Williams Co
Yenkin-Majestic Paint Corp

Paints & Coatings, Wood Treatment

Abesto Manufacturing Co
Allied Chemical Corp Barrett Div
Anti Hydro Waterproofing Co
Cabot Samuel Inc
Carbolineum Wood Preserving Co
Chemical Products Div Darworth Inc
Cool Roof Inc
Cre-O-Tox Chemical Co
Dasco Co Inc
Desmond Bros Paint Co
DuPont de Nemours & Co Inc E I
Lucas John & Co Inc
Marietta Paint & Color Co
Osmose Wood Preserving Co of America
Plextone Corp of America
Reynolds Aluminum Supply Co
Shell Chemical Corp
Watco-Dennis Corp
Wilbur & Williams Co
Wood Treating Chemicals Co

Paints, Interior & Exterior Plastic

American Marietta Co Valdura Div
Cook Paint & Varnish Co
Dasco Co Inc
Devoe & Raynolds Co Inc
DuPont de Nemours & Co Inc E I
Fuller W P & Co
Glidden Co
Kyanize Paints Inc
Lowe Bros
Lucas John & Co Inc
Marietta Paint & Color Co
National Casein Co
National Gypsum Co
National Mfg Corp
Penn Crete Prods Co
Plextone Corp of America
Quartz Mosaic Inc
Reardon Co
Seidlitz Paint & Varnish Co
Tamms Industries Co
Twentieth Century Paint & Varnish
United States Gypsum Co
Vita-Var Corp
Wilbur & Williams Co
Wooster Sealkote Co

Paints & Stains, Interior & Exterior, Oil

American Asbestos Product Co
American Varnish Co
Arco Co
Barreled Sunlight Paint Co
Berry Bros Div of American Marietta Co
Bird & Son Inc
Bruce E L Co
Cabot Samuel Inc
Chicago Bronze & Color Works
Cook Paint & Varnish Co
Devoe & Raynolds Co Inc
Dixon Joseph Crucible Co
DuPont de Nemours & Co Inc E I
Elliott Paint & Varnish Co
Flexrock Co
Forman-Ford & Co
Gelvatex Paint Div Shawinigan Resins
Glidden Co
Globe Paint Works Inc
Horn A C Companies Div Sun Chem Corp
Jewel Paint & Varnish Co
Kyanize Paints Inc
Lawrence W W & Co
Linseed Oil Products Co
Lowe Bros
Marietta Paint & Color Co
Martin-Senour Co
Minnesota Paints Inc
Mobile Paint Mfg Co
Monsanto Chem Co Organic Chem Div
Moore Benjamin & Co
National Chemical & Mfg Co
National Lead Co
National Mfg Corp
O'Brien Corp
Olympic Stained Prods Co
Parker Ira & Sons
Patterson-Sargent Co
Peaslee-Gaulbert Paint Varnish
Permiteco Inc
Phelan-Faust Paint Mfg Co
Pittsburgh Plate Glass Co
Pratt & Lambert Inc
Quartz Mosaic Inc
Quigley Co Inc
Re-Nu-It Corp
Rockcote Paint Co
Sapolin Paints Inc
Sargent-Gerke Co
Savogran Co
Seal Rite Caulking Co
Seidlitz Paint & Varnish Co
Sherwin-Williams Co
Sonneborn L Sons Inc
Standard-Toch Chemicals Inc
Steelcote Manufacturing Co
Sullivan Co The
Thompson E A Co Inc
Toch Bros
Tremco Mfg Co
Truscon Labs Inc
Twentieth Century Paint & Varnish
United States Plywood Corp
Valspar Corp
Vita-Var Corp
Wadsworth Howland & Co
Wilbur & Williams Co
Wurdack Chemical Co
Zinsser William & Co Inc

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The choice of leading builders! Cabot's Paints and Stain Finishes for a better job, inside and out.
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Paints, Textured

American Asbestos Product Co
American Varnish Co
Arco Co
Berry Bros Div American Marietta Co
Chicago Bronze & Color Works
Cook Paint & Varnish Co
Flexrock Co
Forman-Ford & Co
Glidden Co

Turn to Section 2—Manufacturers Directory for all addresses

Jewel Paint & Varnish Co
Kaiser Gypsum Co Inc
Kyanize Paints Inc
Lawrence W W & Co
Lowe Bros
Lucas John & Co Inc
Martin-Senour Co
Mortell J W Co
National Chemical & Mfg Co
National Gypsum Co
Penn Crete Prods Co
Phelan-Faust Paint Mfg Co
Pittsburgh Plate Glass Co
Plextone Corp of America
Reardon Co
Re-Nu-It Corp
Rockcote Paint Co
Sapolin Paints Inc
Seddon Co
Seidlitz Paint & Varnish Co
Sherwin-Williams Co
Sonneborn L Sons Inc
Tamms Industries Co
Twentieth Century Paint & Varnish
United Gilsonite Laboratories
United States Gypsum Co

Panelwork, Plastic (See Plastic Laminates; also Plywood, Overlaid)

Panelwork, Wallboard (See Wallboard; also Plaster, Acoustical)

Panelwork, Wood

Aetna Plywood & Veneer Co
Bangkok Industries Inc
Bellwood Co of California
Bradley Southern Div Potlatch Forests
Bruce E L Co
Commonwealth Lumber Corp
Connor Lumber & Land Co
Cook A B Co
Diamond Lumber Co
Dulaney Plywood Corp
Evans Products Co
Fair D L Lumber Co
Georgia Pacific Corp
Hardwood Corp of America
Higgins Industries Inc
Hyde-Murphy Co
Jones Harold R
Kochton Plywood & Veneer Co Inc
Marsh Wall Products Inc
Masonite Corp
McMinnville Mfg Co
Miller Bros Co
Miracle Hinge Co
Neils J Lumber Co Div St Regis Paper
Phillips Ryhne Lumber Co Inc
Plyfloor Inc
Plywall Prods Co
Plywood Co
Reynolds Aluminum Supply Co
Roddis Plywood Corp
Southern Mill & Mfg Co
Veach-May-Wilson Inc
Weyerhaeuser Co Lumber & Plywood Div
Williams J L & Sons
Youngblood Lumber Co

Paper, Building (See also Insulation, Sheathing; Vapor Barriers)

Allied Chemical Corp Barrett Div
American Sisalkraft Corp
Appleton Coated Paper Co
Bestwall Gypsum Co
Bird & Son Inc
Carey Philip Mfg Co
Delta Co
Fleming & Sons Inc
Flintkote Co
Globe Roofing Products Co Inc
Johns-Manville Corp
Logan-Long Co
Ludlow Papers Inc
National Mfg Corp
Pioneer Div Flintkote Co
Protective Papers Inc
Reynolds Metals Co
Richkraft Co
Ruberoid Co
Silvercote Prods Inc
Thilmany Pulp & Paper Co
Wilson Grant Inc

Partitions, Aluminum

Harvey Aluminum
Mills Co
Richards-Wilcox Mfg Co
Toledo Plate & Window Glass Co
Windowmaster Corp

Partitions, Folding & Sliding (See Doors, Flexible & Folding)

Partitions, Non-Metallic

Bestwall Gypsum Co
Cookson Co
Dubuque Products Inc
Evergreen States Forest Products
Filon Plastics Corp
Kaiser Gypsum Co Inc
Kimble Glass Co Sub Owens-Illinois
Petterson J C Corp
Richards-Wilcox Mfg Co
Three Centuries
United States Gypsum Co
Waco Transwall Folding Partition
Weber Showcase & Fixture Co Inc

Partitions, Steel

Aetna Steel Prods Corp
All Metal Partition Co Inc
Biersach & Neidermeyer Co
Flat Metal Mfg Co
Hauserman E F Co
Meyers Fred L Mfg Co
Miller Howard Clock Co
Mills Co
National Gypsum Co
Penn Metal Co Inc
Sanymetal Products Co Inc
Steel Partitions Inc
Unistrut Prods Co
United States Gypsum Co
Virginia Metal Products Inc
Weber Showcase & Fixture Co
Weber Showcase & Fixture Co Inc
Wheeling Corrugating Co

Pine Lumber (See Lumber, Pine)

Pipe, Asbestos Cement

Johns-Manville Corp
Keasbey & Mattison Co

Pipe, Bituminized Fiber

Bowerston Shale Co
Brown Co
Central Foundry Co
Chicago Fire Brick Co
Flintkote Co
Line Material Industries McGraw-Edison
Orangeburg Mfg Co Div Flintkote Co
Sonoco Prods Co Construction Prod Div
Triangle Conduit & Cable Co Inc

Pipe, Cast Iron

Central Foundry Co
Crane Co
Industrial Iron Works
Reynolds Aluminum Supply Co
Victaulic Co of America
Weiskittel Co Inc

Pipe, Sewer

American Vitrified Prods Co
Bowerston Shale Co
Carey Philip Mfg Co
Clay City Pipe Co
Division Lead Co
Kaul Clay Co
Logan Clay Prods Co
Owensboro Sewer Pipe Co
Patton Clay Mfg Co
Pomona Terra-Cotta Co
Presstite Div American-Marietta Co
Robinson Clay Product Co
Sonoco Prods Co Construction Prod Div
Southwestern Plastic Pipe Co
Stillwater Clay Products Co
Streator Drain Tile Co
Superior Clay Corp
Texas Vitrified Pipe Co

Pipe, Steel

Acme-Newport Steel Co
Allegheny Ludlum Steel Co
Armco Drainage & Metal Products
Bethlehem Steel Co
Clayton Mark & Co
Columbia Geneva Steel Div US Steel
Haven-Busch Co
Higbie Mfg Co Avon Tube Div
Jones & Laughlin Steel Corp
Kaiser Steel Corp
Laclede Steel Co
Reeves Steel & Mfg Co Div
Republic Steel Corp
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Ryerson Joseph T & Son
Victaulic Co of America
Wheeling Steel Corp
Youngstown Sheet & Tube Co

Pipe & Tubing, Aluminum

Adams Engineering Co
Aluminum Co of America
B & T Metals Co
Blum Julius & Co Inc
Bridgeport Brass Co
Harvey Aluminum
Hosking John H Co
Kaiser Aluminum & Chemical Sales Inc
Lustrik Inc
National Aluminum Co
Penn Supply & Metal Corp
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Reynolds Metals Co
Ryerson Joseph T & Son
Victaulic Co of America
Wells Aluminum Corp

Pipe & Tubing, Brass & Copper

American Brass Co
Blum Julius & Co Inc
Bridgeport Brass Co
Chase Brass & Copper Inc
Circle Wire & Cable Corp
Hussey C G & Co
Mueller Brass Co
Phelps Dodge Copper Prods Corp
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Triangle Conduit & Cable Co Inc
Williamson Co
Wolverine Tube Calumet & Hecla Inc

Pipe & Tubing, Plastic

Anesite Co

Blum Julius & Co Inc
Byers A M Co
Cannelton Sewer Pipe Co
Carlon Products Corp
Dow Chemical Co
Eclipse Plastics Industries
Franklin Plastics Inc
General Plastics Corp
Goodall Rubber Co Inc
Goodrich B F Industrial Products Co
Johnson Plastics Corp
Line Material Industries McGraw-Edison
Lynch Asbestos Co
Minnesota Mining & Mfg Co
Mueller Brass Co
Orangeburg Mfg Co Div Flintkote Co
Raybestos-Manhattan Inc M R Div
Republic Steel Corp
Ryerson Joseph T & Son
Skyline Industries Sales Inc
Southwestern Plastic Pipe Co
Triangle Conduit & Cable Co Inc
United States Rubber Co
Victaulic Co of America
Youngstown Sheet & Tube Co

Pipe, Ventilating & Furnace (See Ducts, Metal)

Pipe, Wrought Iron

Byers A M Co
Crane Co

Planers & Jointers

Atlas Press Co
Belsaw Machinery Co
Boice Crane Co
Buss Machine Works Inc
Comet Mfg Co Div Siegler Corp
Consolidated Mach & Supply Co Ltd
Dewalt Div AMF
Duro Metal Products Co
Goldblatt Tool Co
Master Woodworker Mfg Co Inc
Oliver Machinery Co
Rockwell Mfg Delta Power Tool Div
Shopmaster Div Energy Mfg Co
Stanley Electric Tools
Whitney Baxter D & Son Inc
Yates-American Machine Co

Plans, Services & Books

American Builder Book Service Dept
Architectural Plan Service Inc
Associated Plan Services Inc
Better Homes and Gardens
Construction Cost Institute
Craftsman Book Co of America
Dun & Bradstreet Inc
Garlinghouse L F Co Inc
Home Building Plan Service
Home Plan Book Co
Home Planners Inc

BUILDERS' SPECIAL!
900 HOME DESIGNS . . . $3.00
Construction blueprints available immediately for every one of these outstanding up-to-date Convenient Living designs of every size and type by noted designer Richard B. Pollman.
HOME PLANNERS, INC.
1631B Grand River • Detroit 27, Mich.

Kaiser Aluminum & Chemical Sales Inc
Lawyers Title Insurance Corp
Lilly David Advertising Cartoons
National Home Planning Service
National Plan Service Inc
National Pool Equipment Co
Nationwide House Plan Service
Nationwide Plan Book Co
Saturday Evening Post Curtis Pblg Co
Techbuilt Inc
Today's Home Fawcett Publishing Corp
Universal Plan Service
Weyerhaeuser Co Lumber & Plywood

TITLE INSURANCE TO FILL EVERY REQUIREMENT

Lawyers Title Insurance Corporation
Home Office ~ Richmond, Virginia

Plaster, Acoustical

Bestwall Gypsum Co
Builders Fireplace & Supply
Dodson Mfg Co Inc
Great Lakes Carbon Corp Perlite Dept
Johns-Manville Corp
National Gypsum Co
Nelson B F Mfg Co
Texas Vermiculite Co
Tiger Brands Div Basic Inc
United States Gypsum Co
US Mineral Wool Co
Vermiculite-Northwest Inc
Zonolite Co

Plaster Bonding (See Bonding Agents, Plaster & Concrete)

Plaster, Guns, Pneumatic (See Guns, Pneumatic, Plaster)

Plaster, Gypsum

Allied Chemical Corp Birrett Div
Bestwall Gypsum Co
Celotex Corp
Chicago Fire Brick Co
Flintkote Co
Grand Rapids Gypsum Co
Kaiser Gypsum Co Inc
National Gypsum Co
Ruberoid Co
Tamms Industries Co
United States Gypsum Co

Plaster, Insulating

Camp Co Inc
Great Lakes Carbon Corp Perlite Dept
Johns-Manville Corp
National Gypsum Co
Texas Vermiculite Co
US Mineral Wool Co
Vermiculite-Northwest Inc
Zonolite Co

Plaster & Stucco, Colored

Grand Rapids Gypsum Co
National Gypsum Co
Ohio Lime Co
Penn Crete Prods Co
United States Gypsum Co

Plasterboard (See Lath, Gypsum)

Plastering Tools (See Tools, Masons, Plasterers)

Plastic Laminates (See also Countertops)

Aetna Plywood & Veneer Co
Alsynite Co of America
Chemold Co
Clad-Rex Div Simoniz Co
Consoweld Corp
Continental Can Co Conolite Dept
Evergreen States Forest Products
Fabricon Prods
Farley & Loetscher Mfg Co
Fiberesin Plastics Co
Filon Plastics Corp
Formica Corp
Gen Electric Co Laminated Prods Dept
Gen Tire & Rubber Co Bldg Materials
Haskelite Mfg Corp
Jones Shutter Products
Kochton Plywood & Veneer Co Inc
Ludlow Papers Inc
Masland Duraleather Co
Midwest Plywood Co
Milwaukee Plywood Co
National Plastic Products Co
Parkwood Laminates Inc
Paxton Frank Lumber Co
Pioneer Plastics Corp
Polyplastex United Inc
Ranier Plywood Co
Ray-O-Lite Corp of America
Regal Laminates Inc
Roddis Plywood Corp
Ryerson Joseph T & Son
Safetee Glass Co
St Regis Paper Co Panelyte Div
Selck Walter E & Co
Thilmany Pulp & Paper Co
Thomason Plywood Corp
United States Plywood Corp
Westinghouse Electric Corp
Woodall Industries Inc
Youngstown Kitchens

Plastic Moldings (See Moldings, Plastic)

Plastic Panels, Reinforced

Allied Chemical Corp Barrett Div
Alsynite Co of America
Barclay Mfg Co Inc
Butler Mfg Co
Chamberlin Co of America
Farley & Loetscher Mfg Co
Fiberesin Plastics Co
Filon Plastics Corp
Haskelite Mfg Corp
Johns-Manville Corp
Lynch Asbestos Co
Miraplas Tile Co
Monostructure Inc
Pennsylvania Wire Glass Co
Plasteel Products Corp
Plymold Co
Polyplastex United Inc
Resolite Corp
Structoglas Inc
United States Plywood Corp
United States Rubber Co
Wasco Products Inc

Plastic Pipe (See Pipe & Tubing, Plastic)

Plastic Screening (See Screening, Plastic)

Plastic Tile (See Tile, Vinyl)

Plate Glass (See Glass, Plate)

Plumbing Fixtures (See also Shower Stalls; Vanities, Lavatory)

Active Tool & Manufacturing Co

Turn to Section 2—Manufacturers Directory for all addresses

Alamark Inc
Allianceware Inc
American Radiator & Standard Sanitary
American-Standard Plumbing
B & T Metals Co
Borg-Warner Corp Ingersoll Humphryes
Briggs Manufacturing Co
Case Mfg Corp
Chicago Faucet Co
Chicago Pottery Co
Colonna Angelo Inc
Crane Co
Cutler Metal Prods Co
Delta Faucet Corp
Efron Theodore Mfg Co
Eljer Div Murray Corp of America
General Window Co
Gerber Plumbing Fixtures Corp
Glassade Inc
Gyro Brass Manufacturing Corp
Harvey Aluminum
Haws Drinking Faucet Co
Kohler Co

KOHLER
All-brass Fittings
- A brighter finish
- Better . . . longer life
- First quality only

KOHLER OF KOHLER
Kohler Co., Kohler, Wis.

Mansfield Sanitary Inc
McDonald A Y Mfg Co
McPherson Inc
Milwaukee Faucets Inc
Mirra-Cote Co Inc
Moen Faucet Div Standard Screw Co
National Plumbing Fixture Corp
Norris Thermador Corp
North East Metal Products Corp
Paramount Aluminum Prod Corp
Powers Regulator Co
Reed Cromex Corp
Richmond Plumbing Fixtures
Sherle-Wagner
Sloan Valve Co
Southern Pine Lumber Co
Speakman Co
Sterling Faucet Co
Sterling Precision Plastics Div
Taylor Halsey W Co
Union Machine Co
Universal-Rundle Corp
Weis Henry Mfg Co
Wessels Co
Youngstown Kitchens
Zurn Industries Inc Plumbing Prods

Plumbing, Prefabricated, Assembly

Associated Plumbing Supply Co Inc
Colonna Angelo Inc
Sterling Faucet Co
Zurn Industries Inc Plumbing Prods

Plywood, Douglas Fir

Aberdeen Plywood & Veneers Inc
Aetna Plywood & Veneer Co
Arcata Plywood Corp
Atlanta Oak Flooring Co
Baxter J H & Co
Brookings Plywood Corp
Cascades Plywood Corp
Centralia Plywood Inc
Comfort Geo N Lumber Co
Corvallis Plywood
Diamond Lumber Co
Douglas Fir Plywood Co
Drain Plywood Co
Durable Fir Lumber & Plywood Co
Evans Products Co
Fort Vancouver Plywood Co
Georgia Pacific Corp
Harbor Plywood Corp
Hardel Mutual Plywood Corp
Hines Edward Lumber Co
International Paper Company Long-Bell Division
Kochton Plywood & Veneer Co Inc
Linn Plywood Corp
Mar-Lin Timber Corp
Martin Bros Cont & Timber Prods Corp
Mauk Seattle Lumber Co
Medford Veneer & Plywood Corp
Menasha Sales Corp
Midwest Plywood Co
Milwaukee Plywood Co
Mt Baker Plywood Inc
Multnomah Plywood Corp
Niagara Plywood Co Inc
North Pacific Plywood Inc
Northwest Door Co Sub St Regis Paper
Oregon Veneer Co
Oregon-Washington Plywood Co
Pacific Mutual Door Co
Paxton Frank Lumber Co
Peninsula Plywood Corp
Plywood Service Inc
Puget Sound Plywood Inc
Ranier Plywood Co
Robinson Plywood & Timber Co
Roddis Plywood Corp
Roddiscraft Inc
Rosboro Lumber Co
St Paul & Tacoma Lumber Co
Simpson Logging Co
Snellstrom Lumber Co
Standard Veneer & Timber Co
Summit Sales Co
Sunset Plywood Co
Three Rivers Plywood & Timber
Timber Products Co
Triplett Lumber Co Inc
US Plywood Corp Mutual Plywood
United States Plywood Corp
Vancouver Plywood Co
Webster H E Lumber Co
West Coast Plywood Co
Western Door & Plywood Corp
Weyerhaeuser Co Lmbr & Plywood Div
Willamette Valley Lumber Co
Woodward Lumber Co
Youngblood Lumber Co

Plywood, Embossed

Aetna Plywood & Veneer Co
Georgia Pacific Corp
Harbor Plywood Corp
Kochton Plywood & Veneer Co Inc
Midwest Plywood Co
Milwaukee Plywood Co
Paxton Frank Lumber Co
Plywood Service Inc
US Plywood Corp California Div
United States Plywood Corp
Vancouver Plywood Co
Woodward Lumber Co
Youngblood Lumber Co

Plywood, Hardwood

Aetna Plywood & Veneer Co
AFCO Corp
Atlanta Oak Flooring Co
Bangkok Industries Inc
Brand Plywoods Inc
Connor Lumber & Land Co
Dulaney Plywood Corp
Elliott Bay Mill Co
Georgia Pacific Corp
Harbor Plywood Corp
Higgins Industries Inc
Ipik Door Co Inc
Jasper Wood Products Co Inc
Kennebec Inc
Kochton Plywood & Veneer Co Inc
Mauk Seattle Lumber Co
Midwest Plywood Co
Milwaukee Plywood Co
Niagara Plywood Co Inc
North Pacific Plywood Inc
Northwest Door Co Sub St Regis Paper
Pacific Mutual Door Co
Paxton Frank Lumber Co
Plyfloor Inc
Plywall Products Co Inc
Plywood Service Inc
Puget Sound Plywood Inc
Robinson Plywood & Timber Co
Roddis Plywood Corp
Simpson Logging Co
Thomason Plywood Corp
United States Plywood Corp
Vancouver Plywood Co
Weber Veneer & Plywood Co
Western Door & Plywood Corp
Woodward Lumber Co
Youngblood Lumber Co

Plywood, Hardwood Surfaced

Aberdeen Plywood & Veneers Inc
Aetna Plywood & Veneer Co
Cascades Plywood Corp
Diamond Lumber Co
General Plywood Corp
Harbor Plywood Corp
International Paper Co Long-Bell Div
Kimble Glass Co Sub Owens-Illinois
Mauk Seattle Lumber Co
Midwest Plywood Co
Milwaukee Plywood Co
Paxton Frank Lumber Co
Southwood Corp
Tex-A-Panel Mfg Co
US Plywood Corp California Div
United States Plywood Corp
Woodward Lumber Co
Youngblood Lumber Co

Plywood, Overlaid

Aetna Plywood & Veneer Co
Cascades Plywood Corp
Chemold Co
Crown Zellerbach Corp
Diamond Lumber Co
Farley & Loetscher Mfg Co
Georgia Pacific Corp
Harbor Plywood Corp
Haskelite Mfg Corp
Hines Edward Lumber Co
International Paper Co Long-Bell Div
Kochton Plywood & Veneer Co Inc
Midwest Plywood Co
Milwaukee Plywood Co
Paxton Frank Lumber Co
Plywood Service Inc
Ranier Plywood Co
Roddis Plywood Corp
St Paul & Tacoma Lumber Co
Simpson Logging Co
US Plywood Corp California Div
United States Plywood Corp
West Coast Plywood Co
Westinghouse Electric Corp
Woodward Lumber Co
Youngblood Lumber Co

Porch Enclosure Panels (See Plastic Panels, Reinforced)

Post-Hole Diggers

Ford Motor Co Tractor & Implement Di

Warren Tool Corp
Wood Shovel & Tool Co

Posts, Adjustable, Floor Leveling & Supporting

Adjusta Post Mfg Co
Akron Products Co
Baumgartner Gate Factory
Clay Equipment Corp
Cleveland Steel Specialty Co
Copco Steel & Engineering Co
Donley Brothers Co
Harris Inc
Holms Mfg Co of Ohio
Inland Steel Products Co
Larson Ladder Co
Perma-Jack Corp
Sawhill Tubular Prods Inc
Tel-O-Post Co
Woodmack Products Inc

Powder-Activated Tools

Omark Industries Inc
Ramset Fastening System
Remington Arms Co Inc

Power Plants (See Generators, Portable)

Prefabricated Carports (See Carports, Prefabricated)

Prefabricated Chimneys (See Chimneys, Prefabricated)

Prefabricated Closets (See Closets, Prefabricated)

Prefabricated Fireplaces (See Fireplaces, Prefabricated)

Prefabricated Garages (See Directory of Home Manufacturers)

Prefabricated Greenhouses (See Greenhouses, Prefabricated)

Prefabricated Houses (See Section 5 for Names and Addresses of Home Manufacturers)

AIR-LOCK
PRE-CUT
LOG CABINS
Patented ONE TO 60 ROOMS
NATIONAL LOG CONS'T. CO.
Manufacturers
THOMPSON FALLS, MONT.

Prefabricated Outbuildings (See Buildings, Metal)

Prefabricated Panels, Roof & Wall

Barclay Mfg Co Inc
Brown & Grist Inc
Carthage Marble Corp
Fenestra Inc
General Plastics Corp
Hess Mfg Co
Independent Lumber Co
Inland Steel Products Co
Knapp Brothers Mfg Co
Mahon R C Co
Monostructure Inc
Panelfab Products Inc
Paxton Frank Lumber Co
Prefabricated Prods Co Inc
United States Plywood Corp

Pumps, Booster, Heating

American Coils Co
Aurora Pump Div NY Air Brake Co
Barnes Mfg Co
Bell & Gossett Co
Chicago Pump Co
Dayton Electric Mfg Co
Decatur Pump Co
Deming Co
Dunham-Bush Inc
Dunkirk Radiator Corp
Everite Pump & Mfg Co Inc
Gardner-Denver Co
Goulds Pumps Inc
Hoffman Specialty Mfg Corp
Hypro Engineering Inc
Jacuzzi Bros Inc
Lancaster Pump & Mfg Co Inc
McDonald A Y Mfg Co
Modern Swimming Pool Co Inc
Myers F E & Bros Co
National-US Radiator Corp
Novo Pump & Engine Co
Peerless Pump Div Food Machinery Corp
Red Jacket Mfg Co
Taco Heaters Inc
Thrush H A & Co
Universal Mfg Co
Weil Pump Co
Worthington Corp

Pumps, Contractors

Aurora Pump Div NY Air Brake Co
Barnes Mfg Co
Buffalo Forge Co
C H & E Manufacturing Co
Chain Belt Co
Chicago Pneumatic Tool Co
Construction Machinery Co
Continental Pump Co
Dayton Electric Mfg Co
Deming Co
Dempster Mill Mfg Co
Everite Pump & Mfg Co Inc
Flint & Walling Mfg Co Inc
Gorman-Rupp Co
Goulds Pumps Inc
Griffin Wellpoint Corp
Homelite Div Textron Inc
Jacuzzi Bros Inc
Jaeger Machine Co
Kenco Pump Division
Lancaster Pump & Mfg Co Inc
Marlow Pumps Div Bell & Gossett Co
Master Mechanic Mfg Co
Midland Products Co
Morgan-Wightman Co
Morrison Co
Novo Pump & Engine Co
Pacific Mercury Marketing Div
Peerless Pump Div Food Machinery Corp
Red Jacket Mfg Co
Rice Pump & Machine Co

RICE
RICE CENTRIFUGAL & DIAPHRAGM PUMPS
Full line low and high pressure pumps for Construction Industry. Write for bulletin and prices.
RICE PUMP & MACHINE CO.
239 Park Ave. Belgium, Wis.

Robbins & Myers Inc
Universal Mfg Co
Worthington Corp

Pumps, Domestic Water Supply

Aermotor Co
Aurora Pump Div NY Air Brake Co
Baker Mfg Co
Barnes Mfg Co
Clayton Mark & Co
Continental Pump Co
Crane Co
Dayton Electric Mfg Co
Decatur Pump Co
Deming Co
Dempster Mill Mfg Co
Everite Pump & Mfg Co Inc
Fairbanks Morse & Co
Flint & Walling Mfg Co Inc
Goulds Pumps Inc
Hypro Engineering Inc
Jacuzzi Bros Inc
Lancaster Pump & Mfg Co Inc
McDonald A Y Mfg Co
Morrison Co
Myers F E & Bros Co
Red Jacket Mfg Co
Robbins & Myers Inc
Sumo Pumps Inc
Tait Manufacturing Co
Uniflow Mfg Co
Universal Mfg Co
Wayne Home Equipment Co Inc
Weil Pump Co

Pumps, Heat

Acme Industries Inc
American Coils Co
Carrier Corp
Gibson Refrigerator Co Div Hupp Corp
Jacuzzi Bros Inc
Lennox Industries Inc
Mueller Climatrol Div Worthington Corp
Peerless Corp
Reveo Inc
Typhoon Heat Pump Co Div Hupp Corp
York Corp Sub Borg-Warner

Pumps, Sump

Aermotor Co
Aurora Pump Div NY Air Brake Co
Barnes Mfg Co
Chicago Pneumatic Tool Co
Chicago Pump Co
Clayton Mark & Co
Construction Machinery Co
Dayton Electric Mfg Co
Decatur Pump Co
Deming Co
Dempster Mill Mfg Co
Everite Pump & Mfg Co Inc
Fairbanks Morse & Co
Flint & Walling Mfg Co Inc
Gardner-Denver Co
Gorman-Rupp Co
Goulds Pumps Inc
Hypro Engineering Inc
Ingersoll-Rand Co
Jacuzzi Bros Inc
Kenco Pump Division
Lancaster Pump & Mfg Co Inc
Le Roi Div Westinghouse Air Brake Co
Marlow Pumps Div Bell & Gossett Co
Milwaukee Faucets Inc
Myers F E & Bros Co
Oro Mfg Co
Peerless Pump Div Food Machinery Corp
Penberthy Mfg Co
Red Jacket Mfg Co
Remington Arms Co Inc
Sin-Jin Products Co
Standard Electric Mfg Co Inc
Tait Mfg Co
Thor Power Tool Co

Turn to Section 2—Manufacturers Directory for all addresses

Triplex Heating Specialty Co Inc
Uniflow Mfg Co
Universal Mfg Co
Wayne Home Equipment Co Inc
Weil Pump Co

Quarry Tile
(See Tile, Quarry)

Raceways
(See Conduits & Raceways)

Radial Saws
(See Saws, Radial)

Radiators, Baseboard

American-Standard Plumbing & Heating
Berko Electric Mfg Corp
Burnham Boiler Corp
Burnham Corp Warm Air & Cooling Div
Crane Co
Dunkirk Radiator Corp
Edwards Engineering Corp
Ejay Mfg Co
Electro Prods Mfg Co
Fedders Corp
Federal Boiler Co Inc
Kresno-Stamm Mfg Co
Kritzer Radiant Coils Inc
National-U S Radiator Corp
Nesbitt John J Inc
Radiant-Ray Radiation Inc
Rittling Corp
Rome-Turney Radiator Co
Slant-Fin Radiator Corp
Stratton Terstegge Co
Trane Co
Utica Radiator Corp
Vulcan Radiator Co
Webster Warren & Co
Weil-McClain Co
Wiegand Edwin L Co
Young Radiator Co

Radiators, Convector

American Air Filter Co
American-Standard Plumbing & Heating
Fedders Corp
Kritzer Radiant Coils Inc
Modine Mfg Co
National-U S Radiator Corp
Rittling Corp
Rome-Turney Radiator Co
Vulcan Radiator Co
Webster Warren & Co
Wiegand Edwin L Co
Young Radiator Co

Radios, Built-In
(See Intercoms & Radios)

Rafters, Laminated
(See Beams, Wood, Laminated; also Trusses, Roof, Wood)

Railings & Columns, Aluminum

Keystone Alloys Co
Kingsford Ornamental Building Prods
Loxcreen Co Inc
Regal Products Corp

Railings & Columns, Iron
(See Ornamental Iron)

Ranges & Ovens, Built-In

Admiral Corp
Caloric Appliance Corp
Chambers Built-Ins Inc

Chambers® BUILT-INS
A COMPLETE "CUSTOM MATCHED" LINE
Ovens and Ranges (gas and electric) . . .
Refrigerator-Freezers . . . Dishwashers . . .
Ventilating Hoods . . . Disposers
A DESIGN AND SIZE FOR ANY KITCHEN PLAN!
For specifications—Air Mail
Chambers Built-ins Co., Dept. AB-460
2012 N. Harlem Ave., Chicago 35, Ill.

Cribben & Sexton Co
Dixie Products Inc
Frigidaire Div General Motors Corp
Gaffers & Sattler
Gen Elec Co Appliance & Television Div
Gray & Dudley Co
Gregg & Son Inc
Hotpoint Div
Kelvinator Div American Motors Co
Lindemann A J & Hoverson Co
Magic Chef
Monarch Range Co
Morgan-Wightman Co
Mt Vernon Furnace & Mfg Co
National Stove Co
Norge Div Borg-Warner Corp
Oakland Foundry Co
O'Keefe & Merritt Co
Philco Corp
Preway Inc
Roper Geo D Corp
Samuel Stamping & Enameling Co
Stiglitz Corp
Stove Works Inc
Tappan Co
Tennessee Stove Works
Thermador Elec Mfg Co
Tracy-American Kitchens
Utility Appliance Corp
Welbilt Stove Co
Westinghouse Electric Appliance Div
Westinghouse Electric Corp
Whirlpool Corp

Ranges & Ovens, Electric

Admiral Corp
Athens Stove Works Inc
Chambers Built-Ins Inc
Dixie Products Inc
Frigidaire Div General Motors Corp
Gen Elec Co Appliance & Television Div
Gibson Refrigerator Co Div Hupp Corp
Gray & Dudley Co
Gregg & Son Inc
Hotpoint Div
Kelvinator Div American Motors Co
Lindemann A J & Hoverson Co
Monarch Range Co
Mt Vernon Furnace & Mfg Co
National Stove Co
Norge Div Borg-Warner Corp
Oakland Foundry Co
Philco Corp
Preway Inc
Samuel Stamping & Enameling Co
Stove Works Inc
Tappan Co
Tennessee Stove Works
Thermador Elec Mfg Co
Tracy-American Kitchens
Waste King Corp
Welbilt Stove Co
Westinghouse Electric Appliance Div
Westinghouse Electric Corp
Whirlpool Corp

Ranges & Ovens, Gas

Athens Stove Works Inc
Brown Stove Works Inc
Caloric Appliance Corp
Chambers Built-Ins Inc
Cribben & Sexton Co
Dixie Products Inc
Gaffers & Sattler
General Air Conditioning Corp
Gray & Dudley Co
Hardwick Stove Co
Magic Chef
Monarch Range Co
Mt Vernon Furnace & Mfg Co
National Stove Co
Norge Div Borg-Warner Corp
Oakland Foundry Co
O'Keefe & Merritt Co
Preway Inc
Rheem Mfg Co
Roper Geo D Corp
Samuel Stamping & Enameling Co
Stove Works Inc
Suburban Propane Gas Corp
Tappan Co
Tennessee Stove Works
Waste King Corp
Wedgwood-Holly Appliance Co
Weiskittel Co Inc
Welbilt Stove Co
Whirlpool Corp

Receptors, Shower Stall
(See Shower Receptors)

Redwood Lumber
(See Lumber, Redwood)

Refrigerators, Built-In

Admiral Corp
Amana Refrigeration Inc
Athens Stove Works Inc
Chambers Built-Ins Inc

Chambers® BUILT-INS
A COMPLETE "CUSTOM MATCHED" LINE
Ovens and Ranges (gas and electric) . . .
Refrigerator-Freezers . . . Dishwashers . . .
Ventilating Hoods . . . Disposers
A DESIGN AND SIZE FOR ANY KITCHEN PLAN!
For specifications—Air Mail
Chambers Built-ins Co., Dept. AB-460
2012 N. Harlem Ave., Chicago 35, Ill.

Douglas Crestlyn International Inc
Dwyer Products Corp
Gray & Dudley Co
Hotpoint Div
Kelvinator Div American Motors Co
Lindemann A J & Hoverson Co
Manitowoc Equipment Works
Philco Corp
Preway Inc
Quiefrez Inc
Revco Inc
Sub Zero Freezer Co Inc
Thermador Elec Mfg Co
Westinghouse Electric Appliance Div
Westinghouse Electric Corp
Whirlpool Corp

Refrigerators & Freezers, Electric

Acme National Refrigeration Co Inc
Admiral Corp
Amana Refrigeration Inc
Barkow Aug G Mfg Co Inc
Ben-Hur Mfg Co
Chambers Built-Ins Inc
Dwyer Products Corp
Frigidaire Div General Motors Corp
Gen Elec Co Appliance & Television Div
Gibson Refrigerator Co Div Hupp Corp
Hotpoint Div
Insta-Matic Heater Co
Kelvinator Div American Motors Co
King Refrigerator Corp
Manitowoc Equipment Works
Maytag Co
Norge Div Borg-Warner Corp
Quiefrez Inc
Revco Inc
Sub Zero Freezer Co Inc
Tappan Co
Victor Prods Corp
Westinghouse Electric Appliance Div

Westinghouse Electric Corp
Whirlpool Corp

Refrigerators & Freezers, Gas

Acme National Refrigeration Co Inc
Gray & Dudley Co
Insta-Matic Heater Co
Preway Inc
Whirlpool Corp

Registers, Heating & Ventilating

A & A Register Co
Air Control Products Inc
Aluminum Co of America
Auer Register Co
Bennett-Ireland Inc
Burnham Corp Warm Air & Cooling Div
Coleman Co Inc
Connor Engineering Corp
Gerwin Industries Inc
Hart & Cooley Mfg Co
International Oil Burner Co
Leigh Bldg Prods Div Air Con Prods Inc
Lima Register Co
Majestic Co Inc
Mueller Climatrol Div Worthington Corp
Parker S Hdwe Mfg Corp
Titus Mfg Corp
United States Register Co
Waterloo Register Co Inc
York Corp Sub Borg-Warner

Reinforcing Bars & Mesh (See also Steel, Masonry Wall Reinforcing)

Amer Steel & Wire Div U S Steel Corp
Bethlehem Steel Co
Ceco Steel Prods Corp
Cleveland Steel Specialty Co
Colorado Fuel & Iron Corp
Colorado Fuel & Iron Corp
Continental Steel Corp
Copperweld Steel Co Wire & Cable Div
Dayton Sure-Grip & Shore Co
Donley Brothers Co
Forbes Steel Corp
Jones & Laughlin Steel Corp
Kaiser Aluminum & Chemical Sales Inc
Kees F D Mfg Co
Laclede Steel Co
Mid-States Steel & Wire Co
Northwestern Steel & Wire Co
Republic Steel Corp Truscon Div
Ryerson Joseph T & Son
Signode Steel Strapping Co
Soule Steel Co
United States Steel Corp
Youngstown Sheet & Tube Co

Roof Decks (See Decking)

Roofing Shingles (See Shingles)

Roofing, Aggregates For

Black White Limestone Co

Roofing, Asbestos Cement

Abesto Manufacturing Co
Allied Chemical Corp Barrett Div
Carey Philip Mfg Co
Ceresit Waterproofing Corp
Certain-Teed Sales Corp
Fiberboard Paper Prods Inc
Flintkote Co
Johns-Manville Corp
Keasbey & Mattison Co
Lastik Paint Inc
Logan-Long Co
Monroe Co Inc
National Gypsum Co
Pecora Inc
Pioneer Div Flintkote Co
Reynolds Aluminum Supply Co
Ruberoid Co
Sonneborn L Sons Inc
Supradur Corp of N Y

Roofing, Asphalt

Allied Chemical Corp Barrett Div
American Bitumuls & Asphalt Co
Bird & Son Inc
Borden Chemical Co Div Borden Co
Carey Philip Mfg Co
Celotex Corp
Certain-Teed Sales Corp
Fiberboard Paper Prods Inc
Flintkote Co
Fry Lloyd A Roofing Co
Globe Roofing Products Co Inc
Johns-Manville Corp
Keasbey & Mattison Co
Lastik Paint Inc
Lehon Co
Logan-Long Co
Monroe Co Inc
National Mfg Corp
Nelson B F Mfg Co
Owens-Corning Fiberglas Corp
Pioneer Div Flintkote Co
Protective Papers Inc
Reynolds Aluminum Supply Co
Ruberoid Co
Sonneborn L Sons Inc
United States Gypsum Co

Roofing, Copper

American Brass Co
Bridgeport Brass Co
Ceco Steel Prods Corp
Chase Brass & Copper Inc
Hussey C G & Co
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co

Roofing & Siding, Aluminum (See also Siding, Aluminum Clapboard)

Aluminum Co of America
Edco Products Inc
Granite City Steel Co
Hess Mfg Co Inc

ARMACLAD
Quincy ARMACLAD
PREFAB ALUMINUM
ROOF PANELS
HESS MFG. CO.
QUINCY 9, PA.

Jones & Brown Inc
Kaiser Aluminum & Chemical Sales Inc
Loom Roof Corp of America
Monroe Co Inc
Nichols Wire & Aluminum Co
Penn Supply & Metal Corp
Quaker State Metals Co
Revere Copper & Brass Inc
Reynolds Aluminum Supply Co
Reynolds Metals Co
Ryerson Joseph T & Son
Sonneborn L Sons Inc
U S Aluminum Siding Corp

Roofing, Steel

Bethlehem Steel Co
Inland Steel Products Co
Reeves Steel & Mfg Co Div
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Ryerson Joseph T & Son

Roofing, Terne Metal

Ceco Steel Prods Corp
Follansbee Steel Corp
Inland Steel Products Co
Klauer Mfg Co
Reeves Steel & Mfg Co Div
Reynolds Aluminum Supply Co

Roofing, Tile (See Tile, Roofing)

Room Dividers (See Partitions)

Routers & Shapers, Electric

Beach Mfg Co
Black & Decker Mfg Co
Boice Crane Co
Consolidated Mach & Supply Co Ltd
Dewalt Div AMF
Duro Metal Products Co
Ekstrom Carlson & Co
Oliver Machinery Co
Porter-Cable Machine Co
Rockwell Mfg Delta Power Tool Div
Skil Corp
Stanley Electric Tools
Wallace J D Co Inc
Whitney Baxter D & Son Inc
Yates-American Machine Co

Rubber Flooring (See Tile, Rubber)

Safes, Wall, Built-In

Diebold Inc
Meilink Steel Safe Co

HERCULES MEILINK BUILT Insulated
WALL VAULTS
When installed behind mirror or picture entire unit, including combination lock, is flush with wall.
MEILINK STEEL SAFE COMPANY, Toledo 6, Ohio

Mosler Safe Co
Remington Rand Div Sperry Rand

Salamanders (See Heaters, Contractors, Portable)

Sanders

Albertson & Company Inc
American Floor Machine Co
Atlas Floor Surfacing Machinery Corp
Atlas Press Co
Beach Mfg Co
Behr-Manning Co
Black & Decker Mfg Co
Blum Julius & Co Inc
Boice Crane Co
Burgess Vibrocrafters Inc
Chicago Pneumatic Tool Co
Clarke Floor Machine Co
Cummins Port Tools Div J Oster Mfg Co
DeWalt Div AMF
Dremel Mfg Co
Duro Metal Products Co
Ekstrom Carlson & Co
Grinding & Polishing Mach Corp
Holt Mfg Co
Mattison Machine Works
Merit Products Inc
Millers Falls Co
Milwaukee Elec Tool Corp

Turn to Section 2—Manufacturers Directory for all addresses

National-Detroit Inc
Oliver Machinery Co
Peninsula Tool Co Inc
Portable Electric Tools Inc
Porter-Cable Machine Co
Remington Arms Co Inc
Rockwell Mfg Delta Power Tool Div
Skil Corp
Speedway Mfg Div Thor Power Tool Co
Stanley Electric Tools
Thor Power Tool Co
Wen Products Inc
Yates-American Machine Co

Sash
(See Windows & Doors, Combination)

Sash Balances
(See also Hardware, Window)

All-Metal Weatherstrip Co
Caldwell Mfg Co
Chicago Metal Strip Co
Dennis W J & Co
Farley & Loetscher Mfg Co
Goshen Sash & Door Co
Grand Rapids Hardware Co
Ideal Brass Works Inc
Industrial Iron Works
Lock-Joint Window Co
Macklanburg-Duncan Co
Master Metal Strip Service Inc
Precision Weatherstrip Co
Pullman Mfg Corp
Sager Weatherstrip & Caulking
Turner & Seymour Mfg Co
Unique Window Balance Corp
Unique Balance
Weatherproof Products Corp
Zegers Inc

Saws, Band
(See Tools, Carpenter, Hand)

Saws, Chain, Tree-Felling

Atkins Saw Div Borg-Warner
Cenatron Industries
General Engines Co Inc
Homelite Div Textron Inc
Lancaster Pump & Mfg Co Inc
Milwaukee Elec Tool Corp
Morgan-Wightman Co
Pioneer Saws Div Borg-Warner Corp
Porter-Cable Machine Co
Remington Arms Co Inc
Wright Power Saw & Tool Corp

Saws, Circular

Albertson & Co Inc
American Woodworking Machinery Co
Atkins Saw Div Borg-Warner
Atlas Press Co
Beach Mfg Co
Beisaw Machinery Co
Black & Decker Mfg Co
Blum Julius & Co Inc
Boice Crane Co
Comet Mfg Co Div Siegler Corp
Consolidated Mach & Supply Co Ltd
DeWalt Div AMF
Disston Div H K Porter Co Inc
Duro Metal Products Co
Ekstrom Carlson & Co
Foley Mfg Co
Heinemann Saw Corp
Heller Tool Co
Hoe R & Co Inc
Horton Manufacturing Co
Huther Brothers Saw Mfg Co Inc
Kalamazoo Tank & Silo Co
Lippmann Engineering Works Inc
Master Woodworker Mfg Co Inc
Mattison Machine Works
Milwaukee Elec Tool Corp
Oliver Machinery Co
Remington Arms Co Inc
Rockwell Mfg Delta Power Tool Div
Shopmaster Div Energy Mfg Co
Simonds Saw & Steel Co
Speedway Mfg Div Thor Power Tool Co
Victor Inc
Wallace J D Co Inc
Whitney Baxter D & Son Inc
Yates-American Machine Co

Saws, Concrete
(See Concrete Sawing Equipment)

Saws, Files For
(See Files, Saw & Circular)

Saws, Gasoline

C H & E Mfg Co
Jones Superior Machine Co
King Mfg Co
Master Woodworker Mfg Co Inc
Remington Arms Co Inc
Thomas Industries Inc
Wright Power Saw & Tool Corp

Saws, Hack
(See Tools, Carpenter, Hand)

Saws, Masonry
(See Concrete Sawing Equipment; also Cutters)

Saws, Portable Electric

Albertson & Co Inc
American Floor Machine Co
Black & Decker Mfg Co
Blum Julius & Co Inc
Burgess Vibrocrafters Inc
Chicago Pneumatic Tool Co
Cummins Port Tools Div J Oster Mfg Co
Dalton Mfg Co
DeWalt Div AMF
Forsberg Mfg Co
Heinemann Saw Corp
Hood Bros
Kett Tool Co
Krieg Victor J Inc

VICTOR J. KRIEG INC.
SOLE U.S. DISTRIBUTOR
LESTO POWER TOOLS
611 BROADWAY
NEW YORK 12, N.Y.
GRamercy 7-5757

Master Woodworker Mfg Co Inc
Millers Falls Co
Milwaukee Elec Tool Corp
Portable Electric Tools Inc
Porter-Cable Machine Co
Producers & Distributors Inc
R C S Tool Corp
Remington Arms Co Inc
Ryerson Joseph T & Son
Skil Corp
Speedway Mfg Div Thor Power Tool Co
Syntron Co
Thor Power Co
Wen Products Inc

Saws, Radial

American Woodworking Machinery Co
Comet Mfg Co Div Siegler Corp
Consolidated Mach & Supply Co Ltd
DeWalt Div AMF
Master Woodworker Mfg Co Inc
McDonough Mfg Co
Rockwell Mfg Delta Power Tool Div
Skil Corp
Wallace J D Co Inc

Saws, Sabre

American Floor Machine Co
Peninsula Tool Co Inc

Scaffolding & Shoring
(See also Posts, Adjustable)

Ajax Building Bracket Co
Amidon Engineering Co
Baltymore Co
Bauer Mfg Co
Beaver Advance Corp
Berg John Mfg Co
Bil-Jax Inc
Charles Machine Works
Conver Steel & Wire Co
Du-All Scaffold Bracket Co
Farwell Metal Fabricating
Flint A W Co
Goldblatt Tool Co
Goshen Churn & Ladder Inc
Hico Corp of America
Hoitsma Adjustable Scaffold Bracket Co
Holland Ladder & Mfg Co
Larson Ladder Co
Louisville Ladder Co
Marvel Equipment Co
Mauk Seattle Lumber Co
Michigan Ladder Co
Morgan Manufacturing Co
Moulton Ladder Mfg Co
Newark Ladder & Bracket Co Inc
Patent Scaffolding Co
Pittsburgh Plate Glass Co
Reiman & Georger Inc
Rich Howard B Inc
Richbilt Manufacturing Co
Safway Steel Products Inc
Sloan L J Scaffold Bracket Co
Steel Scaffolding Co
Superior Scaffold Co
Symons Clamp & Mfg Co
Tilley John S Ladders Co Inc
Tubular Structures Corp of America
Universal Mfg Corp
Waco Transwall Folding Partition
Wagner Mfg Co
Werner R D Co Inc

SCR Brick
(See Brick, SCR)

Screeding Machines, Concrete
(See Concrete Finishing Machines)

Screen Hardware
(See Hardware, Screen & Storm Sash)

Screening, Louver Type

Kaiser Aluminum & Chemical Sales Inc
Tyler Arthur F Co

Screening, Metal Wire

Alabama Wire Co Inc
Aluminum Co of America
Chamberlin Co of America
Chase Brass & Copper Inc
Colorado Fuel & Iron Corp
Colorado Fuel & Iron Corp
Cyclone Fence Dept Am Steel & Wire Div
Gilbert & Bennett Mfg Co
Hanover Wire Cloth Div

Heilig Bros Co
Keystone-Standard Wire Cloth Co
Lato Prods Co
New York Wire Cloth Co Inc
Reynolds Aluminum Supply Co
Royal Jalousie Co
Seneca Wire & Mfg Co
Wickwire Bros Inc

Screening, Plastic

Chicopee Mills Inc Lumite Div
Evergreen States Forest Products
Firestone Plastics Co
Graham John H & Co Inc
New York Wire Cloth Co Inc
Owens-Corning Fiberglas Corp
Plastic Woven Prods
Reynolds Aluminum Supply Co
Tavart Co

Screens, Tension

Columbia Mills Inc
Durall Products Co
Goshen Sash & Door Co
Keystone-Standard Wire Cloth Co
Lockhart Mfg Corp

Screen-o-matic Roll Screens and Lock-Tite Tension Screens
Write for catalog
LOCKHART MFG. CORP.
6350 E. Davison Ave. Detroit 12, Mich

Loxcreen Co Inc
Reflectal Corp Sub Borg Warner
Reynolds Aluminum Supply Co
Rudiger-Lang Co
Southern Sash Sales & Supply Co
Spokane Sash & Door Co

Screens, Windows (See Windows & Doors, Combination)

Screwdrivers (See Tools, Carpenter, Hand)

Screwdrivers, Portable, Electric

Black & Decker Mfg Co
Blum Julius & Co Inc
Chicago Pneumatic Tool Co
Ingersoll-Rand Co
Millers Falls Co
Milwaukee Elec Tool Corp
Porter-Cable Machine Co
Reynolds Aluminum Supply Co
Skil Corp
Speedway Mfg Div Thor Power Tool Co
Stanley Electric Tools
Supreme Products Corp
Thor Power Tool Co

Screws

Aluminum Co of America
Arro Expansion Bolt Co
Blum Julius & Co Inc
Gensco Tools
Hercules Fastener Co
Independent Nail & Packing Co
Lamson & Sessions Co
Macklanburg-Duncan Co
National Lock Co
Paine Co
Parker S Hdwe Mfg Corp
Ramset Fastening System
Republic Steel Corp
Screw & Bolt Corp of America
Southern Screw Co
Stanscrew Fasteners Div Standard Screw

Sealers, Concrete (See Concrete Hardeners & Sealers)

Sealers & Finishes (See Finishes & Sealers)

Septic Tanks, Clay

American Vitrified Prods Co
Cannelton Sewer Pipe Co
Clay City Pipe Co
Kaul Clay Co
Logan Clay Prods Co
Owensboro Sewer Pipe Co
Pomona Terra-Cotta Co
Robinson Clay Product Co
Stillwater Clay Products Co
Streator Drain Tile Co
Superior Clay Corp

Septic Tanks, Steel

Kaustine Furnace & Tank Co
Koven L O & Bro Inc
Rheem Mfg Co
Shadyside Foundry
Vega Industries Inc

Sewage Disposal Systems (See also Pumps, Sump; Septic Tanks)

Chicago Pump Co
Continental Pump Co
McPherson Inc
Pomona Terra-Cotta Co
Smith & Loveless Inc
Straitsville Brick Co
Texas Vitrified Pipe Co
Yeomans Bros Co

Sewer Pipe (See Pipe, Sewer)

Shakes, Cedar, Stained (See Shingles & Shakes, Cedar, Red)

Shapers (See Routers & Shapers)

Sheathing, Board, Fiber (See Wallboard & Sheathing, Fiber)

Sheathing, Gypsum (See also Wallboard, Gypsum)

Allied Chemical Corp Barrett Div
Bestwall Gypsum Co
Fiberboard Paper Prods Inc
Flintkote Co
Grand Rapids Gypsum Co
Kaiser Gypsum Co Inc
National Gypsum Co
Reynolds Aluminum Supply Co
Ruberoid Co
United States Gypsum Co

Sheathing, Insulating Board (See also Insulation Board, Fiber)

Abitibi Corp
Air O-Cel
Allied Chemical Corp Barrett Div
Armstrong Cork Co
Bird & Son Inc
Bradley Southern Div Potlatch Forests
Carey Philip Mfg Co
Celotex Corp
Certain-Teed Sales Corp
Edco Products Inc
Flintkote Co
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kaiser Gypsum Co Inc
Keasbey & Mattison Co
National Gypsum Co
Pioneer Div Flintkote Co
Simpson Logging Co
Tiger Brands Div Basic Inc
United States Gypsum Co
United States Plywood Corp
Wood Conversion Co

Sheathing Paper (See Paper, Building)

Sheathing Wood (See Lumber; also Plywood)

Sheets, Aluminum Corrugated (See Roofing & Siding, Aluminum)

Sheets, Iron & Steel, Galvanized (See Steel, Structural)

Shelving, Cabinets

Alan Wood Steel Co Penco Div
Amerock Corp

GENUINE Amerock HARDWARE
HIDE-A-SHELF HARDWARE
TWO-POSITION LOCKING for stand-up or sit-down jobs
EASY to use
EASY to sell
ASK YOUR WHOLESALER
ROCKFORD, ILLINOIS
AMEROCK CORPORATION

Frick-Gallagher Mfg Co Inc

Shingles, Asbestos Cement (See Roofing, Asbestos Cement)

Shingles, Asphalt (See Roofing, Asphalt)

Shingles & Shakes, Cedar, Red

Aloha Lumber Corp
American Stained Shingle Co
Axford Prairie Shake Co
Bestwood Cedar Shingle Co Ltd
Canadian Forest Prods Ltd
Capilano Timber Co Ltd
Cedar Supply Co
Cedarwood Timber Co
Century Shake Mill
Colonial Cedar Co
Creo-Dipt Co Inc
Cutrite Cedar Prods
Davidson Shingle Co Ltd
Duronso Bros Shake Mill

Turn to Section 2—Manufacturers Directory for all addresses

Forks Shingle Co Inc
Georgia Pacific Corp
Gray Lumber & Shingle Co
Grays River Shake Co
Harris L C Cedar Ltd
Haynes O E & Sons Inc
Hines Edward Lumber Co
Hoffee Cedar Prods
Hulbert Wm Mill Co
Humptulips Shingle Co
Huntington Shingle Co
Hurn Shingle Co
International Paper Co Long-Bell Div
Jackson Shake Co
Johnson & Johnson Shake Co
Lake Lytle Shingle Co
Lewis J A Shingle Co
Longview Shake Co
Mackie Mill Co
Marona Mill Co
Mauk Seattle Lumber Co
Mt Pleasant Shingle Co
New London Shake Co
Northwest Shake Distributor
Nova Sales Co
Ol' Settler Shake Co
Olympic Stained Prods Co
Parker & Sons Shake Mill
Powell W R Shake Co
Quality Wood Prods
R N H Shake Co
Saginaw Shingle Co
Seattle Cedar Lumber Mfg Co
Shakertown Corp
Smith M R Shingle Co
Sound Sidewall Shake Co
Summit Sales Co
Super Mill Co
Weatherbest Corp
Western Door & Plywood Corp
Weyerhaeuser Co Lumber & Plywood
White Creek Shingle Co

Shoring, Horizontal (See also Scaffolding & Shoring)

Acrow Corp of America
Hico Corp of America
Jones & Laughlin Steel Corp
Spanall of the Americas Inc

Shovels (See Cranes & Shovels)

Shower Doors (See Doors, Shower & Bathtub)

Shower Receptors (See also Plumbing Fixtures)

Cleveland Wash Tray Mfg Co
Cutler Metal Prods Co
Flat Metal Mfg Co
Lehman Sprayshield Co
Milwaukee Stamping Co Bathe-Rite Div
Norman W F Sheet Metal Mfg Co
Pacific Pre-Cast Products Inc
Rehco Corp

Shower Stalls (See also Plumbing Fixtures)

Efron Theodore Mfg Co
Gerber Plumbing Fixtures Corp
Rehco Corp
Reynolds Aluminum Supply Co
Weis Henry Mfg Co

Shutters, Metal

Acme Engineering & Mfg Co
Air Control Products Inc
Alside Inc
American Coolair Corp
Atco Aluminum Products
Coffman R G Co Inc
Edco Products Inc
Gordon Mfg Co
Jones Shutter Products
Leigh Bldg Prods Div Air Con Prods Inc
Morgan-Wightman Co
Reynolds Aluminum Supply Co
Victor Tool & Machine Corp

Shutters, Wood

Caradco Inc
Cole Mfg Co
Crestline Co
Curtis Companies Inc
Farley & Loetscher Mfg Co
Goshen Sash & Door Co
Gregg & Son Inc
Heinley Mastercraft Products
Hyde-Murphy Co
Ideal Co Mfg Div Wm Cameron & Co
Morgan Co
Morgan-Wightman Co
Rock Island Millwork Co Factory Div
Rockwell of Randolph Inc
Schumacher F E Co
Tyler Arthur F Co

Siding (See Lumber)

Siding, Asbestos Cement

Allied Chemical Corp Barrett Div
Carey Philip Mfg Co
Certain-Teed Sales Corp
Fiberboard Paper Prods Inc
Flintkote Co
Fry Lloyd A Roofing Co
Johns-Manville Corp
Keasbey & Mattison Co
Lehon Co
Logan-Long Co
National Gypsum Co
Pioneer Div Flintkote Co
Re-Nu-It Corp
Reynolds Aluminum Supply Co
Ruberoid Co
Supradur Corp of N Y
United States Gypsum Co

Siding, Aluminum Clapboard

Aeroshade Co
Alsco Inc

LOWER COSTS & INSTALLATION TIME
ALSCO
Rigid
BAK-R-FOAM*
Aluminum Siding
. . . applies directly to the studs, no underlay materials needed!
*Patent Pending
Write for Alsco's BUILDER'S DIGEST
Alsco, Inc., Box AS-86, Akron 8, Ohio

Alside Inc
Brixite Mfg Co Inc
Chamberlin Co of America
Consolidated General Prod Inc
Edco Products Inc
Globe Roofing Products Co Inc
Hastings Aluminum Products Inc
Keystone Alloys Co
Lifetime Industries Inc
Lyf-Alum Inc
Morgan-Wightman Co
National Metal Prods
Quaker State Metals Co
Reynolds Aluminum Supply Co
Security Aluminum Co
Textron Metals Co
U S Aluminum Siding Corp
Wisco Inc

Siding, Hardboard (See also Hardboard)

Aetna Plywood & Veneer Co
Armstrong Cork Co
Celotex Corp
Evans Products Co
Forest Fiber Products Co
Hines Edward Lumber Co
Insulite Div Minn & Ontario Paper Co
Masonite Corp
National Gypsum Co
Reynolds Aluminum Supply Co
United States Plywood Corp

Siding, Plywood (See also Plywood, Douglas Fir)

Aetna Plywood & Veneer Co
Cascades Plywood Corp
Georgia Pacific Corp
Harbor Plywood Corp
Midwest Plywood Co
Milwaukee Plywood Co
Paxton Frank Lumber Co
Reynolds Aluminum Supply Co
Rosboro Lumber Co
St Paul & Tacoma Lumber Co
United States Plywood Corp
Youngblood Lumber Co

Siding, Steel

Bethlehem Steel Co
Continental Steel Corp
Granite City Steel Co
Reeves Steel & Mfg Co Div
Republic Steel Corp Truscon Div
Tennison Bros Inc

Siding, Underliner, Insulating (See Sheathing, Insulating)

Siding, Wood (See also Lumber; Shingles)

Aloha Lumber Corp
Arrow Tank Co Inc
Bradley Southern Div Potlatch Forests
Dierks Forests Inc
Georgia Pacific Corp
Goodman Lumber Div Calumet & Hecla
Hardwood Corp of America
Homasote Co
Jones Harold R
Mauk Seattle Lumber Co
McMinnville Mfg Co
Olympic Stained Prods Co
Ozan Lumber Co
Pacific Lumber Co
Paxton Frank Lumber Co
Rosboro Lumber Co
Saginaw Shingle Co
Seattle Cedar Lumber Mfg Co
Shake-A-Ply Co
Summit Sales Co
Upson Co
Weyerhaeuser Co Lumber & Plywood

Sinks, Metal or Stainless Steel

Active Tool & Mfg Co
Aeronca Mfg Co Metal Products Div
Amer-Standard Plumbing & Heating Div
Caloric Appliance Corp
Carrollton Mfg Co
Copymation Inc
Ductless Hood Co Inc
Ekco Prods Co
Eljer Div Murray Corp of America
Elkay Mfg Co
Farwell Metal Fabricating
Geneva Modern Kitchens
Legion Stainless Sink Corp
Lyon Inc
Tracy-American Kitchens
Universal-Rundle Corp
Vance Industries Inc

Sinks, Porcelain Enamel (See Plumbing Fixtures)

Skylights

Allied Chemical Corp Barrett Div
Chemold Co
Consolidated General Prod Inc
Johns-Manville Corp
Kimble Glass Co Sub Owens-Illinois
Klise Mfg Co
Owens-Illinois
Pennsylvania Wire Glass Co
Pittsburgh Corning Corp
Plasteco Inc
Resolite Corp
Rohm & Haas Co
Saint Paul Corrugating Co
Structoglas Inc
Wasco Products Inc

Slate

Fond Du Lac Stone Co Inc
North Bangor Slate Co
Western States Stone Co

Sliding Doors, Windows (See Doors, Sliding; Windows, Horizontal Gliding)

Spray Guns, Paint (See Paint Spray Guns)

Stains (See Paints, Interior & Exterior, Oil)

Stairs, Nosing for

Crown Rubber Co
Moore Goodloe E Inc

Stairs, Steel, Cellar (See Doors, Cellar, Bulkhead)

Stairs, Treads For

American Abrasive Metals Co
American Mat Corp
Bradley Southern Div Potlatch Forests
Cloud Oak Flooring Co
Crown Rubber Co
Dravo Corp
Farley & Loetscher Mfg Co
Goodrich B F Co Flooring Products
Hardwood Corp of America
Harris Mfg Co
Jones & Laughlin Steel Corp
Musson R C Rubber Co
Norton Co
Robbins Floor Products Inc
Wooster Products Inc

Stairways, Disappearing

Bessler Disappearing Stairway
Craftwood Products
Ez-Way Sales Inc
Fabricon Co
Farley & Loetscher Mfg Co
Goshen Sash & Door Co
Newark Ladder & Bracket Co Inc
Precision Parts Corp
Reynolds Aluminum Supply Co
Richbilt Mfg Co
Tennessee Fabricating Co
Wel-Bilt Products Co

Stairways, Steel

Michel & Pfeffer Iron Works Inc
Valley Metal Products

Staplers, Tackers & Staples

Arrow Fastener Co Inc
Bostitch
Burgess Fastening Co
Copperweld Steel Co Wire & Cable Div
Everwarm Inc
Fastener Corp

DUO-FAST
Staplers • Tackers • Staples
The complete builder line with the FREE SERVICE GUARANTEE

Staple Guns. Ideal for general tacking. Fast, easy, accurate. Just squeeze the handle.

Hammer Tackers. Fastest manual method. Tacks as fast as you swing it. Rugged, powerful.

S-762 Staple Nailer. For sub-floors, roof decks. Lightweight, drives heavy duty staples up to 1½" long at only 60 psi.

Send for Free Builders Brochure FT-26.
FASTENER CORPORATION
3754-64 River Road, Franklin Park, Ill.

Hillwood Mfg Co
Markwell Mfg Co Inc
Mid-States Steel & Wire Co
Power Line Sales Inc
Signode Steel Strapping Co
Spotnails Inc
Tennessee Coal & Iron Div U S Steel

Steel, Masonry Wall Reinforcing (See also Reinforcing Bars & Mesh)

A A Wire Products Co
Carter-Waters Corp
Conver Steel & Wire Co
Dur O Wal Div Cedar Rapids Block Co
Keystone Steel & Wire Co
Lenawee Peerless Inc

Steel, Structural (See also Studdings & Channels, Steel)

Adams Co
Adjusta Post Mfg Co
Baumgartner Gate Factory
Bethlehem Steel Co
Butler Mfg Co
Byers A M Co
Colorado Fuel & Iron Corp
Columbia Geneva Steel Div U S Steel
Copco Steel & Engineering Co
Cuckler Steel Span Co
Flash Bridge Co
Granco Steel Prods Co
Haven-Busch Co
Inland Steel Co
International Steel Co
Jackson & Church Div York-Shipley Inc
Jones & Laughlin Steel Corp
Junior-Pro Products Co
Kaiser Steel Corp
Kees F D Mfg Co

KEES RIBBED STEEL CROSS-BRIDGING
. . . stronger than wood, leaves maximum open space, saves labor. Made of 18 gauge heavily galvanized V-rib steel. In 17" and 20" lengths; flat ends with 5 nail holes.
F. D. KEES MFG. CO.
Box 762 Beatrice, Nebraska

Laclede Steel Co
Macomber Inc
Mahon R C Co
Mesker George L Steel Corp
Morgan-Wightman Co
Northwestern Steel & Wire Co
Penn Metal Co Inc
Pointer-Willamette Co Inc
Republic Steel Corp
Ryerson Joseph T & Son
Sheffield Div Armco Steel Corp
Sta-Tite Inc
Stran-Steel Corp Div Natl Steel Corp
Syro Steel Co
Taber Bushnell Inc
Tennessee Coal & Iron Div U S Steel
Timber Engineering Co
Union Asbestos & Rubber Co
Unistrut Prods Co
United States Steel Corp
Versa Products Co
Youngstown Sheet & Tube Co

Stone, Crab Orchard

Briar Hill Stone Co

Briar Hill GOLDEN TONE SANDSTONE
"USE COLOR, too, when you build with stone"
THE BRIAR HILL STONE COMPANY
Dept. F-9, GLENMONT, OHIO

Crab Orchard Stone Co Inc
Shakertown Corp
Tennessee Stone Co Inc

Stone, Granite

North Carolina Granite Corp
Tamms Industries Co
Vermont Marble Co

Stone, Limestone

Bloomington Limestone Corp
Corson G & W H Inc
Fond Du Lac Stone Co Inc
Georgia Marble Co
Indiana Limestone Co Inc
Longview Lime Corp
Mankato Stone Co
San-Tex Stone Quarry Inc

Turn to Section 2—Manufacturers Directory for all addresses

Texas Quarries Inc
Tiger Brands Div Basic Inc
Woodville Lime Products Co
Woolery Stone Co Inc

Ashtone
INDIANA LIMESTONE VENEER
for Distinctive Homes
THE BLOOMINGTON LIMESTONE CORP.
BLOOMINGTON, INDIANA

Stone, Marble

Carthage Marble Corp
Georgia Marble Co
Mankato Stone Co
Stone Products Co
Tamms Industries Co
Vermont Marble Co

Stone Patching Compounds
(See Paints & Coatings, Concrete)

Stone, Palos Verdes

Palos Verdes Stone Dept

Stone, Slate
(See Slate)

Stone Veneer, Synthetic

General Concrete Products Inc
Stone Products Co

Store Fronts

American Art Metals Co
Chase Brass & Copper Inc
Davidson Enamel Products Inc
Fentron Industries Inc
Ingram-Richardson Mfg Co
Kawneer Co
Libbey-Owens-Ford Glass Co
Lustrik Inc
Marmet Corp
Metal Trims Inc
Pittsburgh Plate Glass Co
Reynolds Aluminum Supply Co
Toledo Plate & Window Glass Co
United States Plywood Corp
Wolverine Porcelain Enameling Co

Storm Windows
(See Windows & Doors, Combination)

Structural Steel
(See Steel, Structural)

Stucco, Pre-Mixed

Colorcrete Industries Inc
Penn Crete Prods Co
United States Gypsum Co

Studding & Channels, Steel

Alabama Metal Lath Co Inc
Bostwick Steel Lath Co
Casings Inc & Drywall Trim Div
Inland Steel Products Co
National Gypsum Co
Penn Metal Co Inc
Republic Steel Corp Truscon Div

Sump Pumps
(See Pumps, Sump)

Surveying Instruments
(See Instruments, Surveying)

Swimming Pool Equipment

Amcrete Corp
Award Pools
Birdair Structures Inc
Bowser Inc Supply Div
Capri Mfg Inc
Cascade Pools
Chester Products Inc
Continental Pump Co
Goodrich B F Industrial Products Co
Hoosier Tarpaulin & Canvas Goods Co
Josam Mfg Co
King Mfg Co
Lancaster Pump & Mfg Co Inc
Landon Inc
Marlin Pool Equipment Co
Modern Swimming Pool Co Inc
National Pool Equipment Co
Paddock of California
Permutit Co Div Pfaudler Permutit Inc
Poolquip Mfg Inc
Quartz Mosaic Inc
Romar Filter Corp
Wahlstrom Bros Inc Natl Div
Weissmuller Johnny Cienma Pools
Zurn Industries Inc Plumbing Prods Div

Swimming Pools

Amcrete Corp
Arrow Tank Co Inc
Award Pools
Capri Mfg Inc
Cascade Pools
Chester Products Inc
Hoosier Tarpaulin & Canvas Goods Co
International Swimming Pool Corp
Koven L O & Bro Inc
National Pool Equipment Co
Paddock of California
Wahlstrom Bros Inc Natl Div

Tackers
(See Staplers, Tackers & Staples)

Tampers, Powered

Barco Mfg Co
Chicago Pneumatic Tool Co
Cleveland Trencher Co
Gardner-Denver Co
Ingersoll-Rand Co
Jay Co Div Leukart Mach Co Inc
Kelley Machine Div Wiesner-Rapp Co Inc
Le Roi Div Westinghouse Air Brake Co
Ottawa Steel Div Young Spring & Wire
Stow Mfg Co
Thor Power Tool Co
Vibro Plus Prods Inc
Whiteman Mfg Co

Tanks, Septic, Clay
(See Septic Tanks, Clay)

Tanks, Septic, Steel
(See Septic Tanks, Steel)

Tapes

Behr-Manning Co
Durkee-Atwood Co
Gering Plastics Div
Kewanee Mfg Co

Tarpaulins

Arvey Corp
Berg F O Co
Delta Co
Fulton Cotton Mills
Gering Plastics Div
Goodrich B F Industrial Prods Co
Goss J C Co
Hoosier Tarpaulin & Canvas Goods Co
Industrial Canvas Prods Corp
Koppers Co Inc Durethene Plant
Kordite Corp
Newark Ladder & Bracket Co Inc
Richkraft Co
Thilmany Pulp & Paper Co
Tiger Brands Div Basic Inc
Tucker Duck & Rubber Co
Visking Co
Werner Canvas Prods Co

Television Antennas
(See Antennas, TV)

Tension Screens
(See Screens, Tension)

Termite Shields

Abesto Mfg Co
Allied Chemical Corp Barrett Div
Cabot Samuel Inc
California Spray-Chemical Corp
Chemical Products Div Darworth Inc
Cre-O-Tex Chemical Co
Dasco Co Inc
Dow Chemical Co
Monsanto Chem Co Organic Chem Div
National Mfg Corp
Penn Supply & Metal Corp
Phelan-Faust Paint Mfg Co
Protection Products Mfg Co
Shell Chemical Corp
Sonneborn L Sons Inc
Sullivan Co The
Velsicol Chemical Corp
Watco-Dennis Corp
Wood Treating Chemicals Co

Thresholds

Adams Co
Adams Engineering Co
All-Metal Weatherstrip Co
Allmetal Weatherstrip Co
Aluminum Co of America
American Brass Co
Ames Metal Moulding Co
B & T Metals Co
Baldwin Hardware Mfg Corp
Blum Julius & Co Inc
Bommer Spring Hinge Co Inc
Bradley Southern Div Potlatch Forests
Ceco Steel Prods Corp
Chamberlin Co of America
Chase Brass & Copper Inc
Chicago Metal Strip Co
Cloud Oak Flooring Co
Croft Metal Products Inc
Curtis Companies Inc
Dennis W J & Co
Donley Brothers Co
Duraflex Co
General Window Co
Goodrich B F Co Flooring Products
Harris Inc
Kaiser Aluminum & Chem Sales Inc
Kawneer Co
Macklanburg-Duncan Co
Master Metal Strip Service Inc
Metal Crafters
Mirapine Tile Co
Monarch Metal Weatherstrip Co
Morgan-Wightman Co

National Aluminum Co
National Metal Prods
National Window Corp
Parker S Hdwe Mfg Corp
Pemko Mfg Co
Reynolds Aluminum Supply Co
Reynolds Metals Co
Royal Jalousie Co
Safety-Flex Enclosures Div Woodside Ind
Sager Weatherstrip & Caulking
Sentry Stop-A-Draft Co
Southern Sash Sales & Supply Co
Storm King Corp
Superior Industries Inc
Trego Industries
United Industries Inc
United Steel Products Co
Visador Co
Weatherproof Products Corp
Wells Aluminum Corp
Werner R D Co Inc
Wooster Products Inc
Youngstown Mfg Inc

Ties, Concrete Form
(See Concrete Form Ties)

Tile, Acoustical
(See Acoustical Materials)

Tile, Asphalt, Floor

Armstrong Cork Co
Azrock Floor Products Div

AZROCK
FLOOR PRODUCTS
Vina-Lux vinyl asbestos • Azrock asphalt
Azphlex vinylized tile
Complete Model Home Display Program
Frost Bank Bldg. • San Antonio 6, Texas

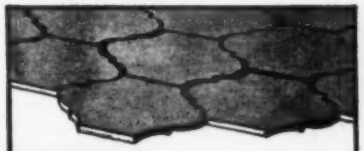
Bonafide Mills Inc
Congoleum-Nairn Inc
Flintkote Co
Forman-Ford & Co
Goodrich B F Co Flooring Products
Hachmeister-Inc
Johns-Manville Corp
Kentile Inc
Mastic Tile Div Ruberoid Co
Pioneer Div Flintkote Co
Thomas Moulding Floor Co Inc
Wright Mastic Tile Div Ruberoid Co

Tile, Ceramic, Floor & Wall

Abitibi Corp
American Olean Tile Co
Architectural Tiling Co

ATCO TILES
A Complete Line of Glazed Ceramic Wall Tiles, Floor Tiles, Trimmers and Tiling Accessories.
Architectural Tiling Co., Inc.
101 PARK AVENUE, NEW YORK 17, N. Y.
PLANT KEYPORT, NEW JERSEY

Associated Plumbing Supply Co Inc
Cambridge Tile Mfg Co
Columbia Brick Works
Design Technics
Gladding McBean & Co
Hood Mifflin B Co
Jones & Brown Inc
Marlin Pool Equipment Co
Marsh Wall Products Inc
Miraplas Tile Co
Misceramic Tile
Morton Ceramic Tile Co
Mosaic Tile Co
Natco Corp
National Tile & Mfg Co
Norton Co
Oxford Tile Co Div of Universal
Pacific Tile & Porcelain Co
Pomona Tile Mfg Co
Quartz Mosaic Inc
Selck Walter E & Co
Starfire Div Bettinger Corp
Stylon Corp
Three Centuries


"Boralu" Pattern
HAND MADE FRENCH TILES, GLAZED & UNGLAZED, INDOORS & OUTDOORS, FOR FLOORS & WALLS. Terra Cotta grille partitions. Colorful decorated tiles: birds, fish, wildlife, etc.
Three Centuries
202 EAST 56 ST., NEW YORK

Tilemaster Corp
United States Ceramic Tile Co
United States Gypsum Co
Wenczel Tile Co

Tile, Cork, Floor

Armstrong Cork Co
Congoleum-Nairn Inc
Dodge Cork Co Inc
Forman-Ford & Co
Kentile Inc
Robbins Floor Products Inc

Tile, Drain

Bowerston Shale Co

Tile, Glazed

Elgin-Standard Brick Mfg Co

Tile, Insulating
(See Insulating Board)

Tile, Linoleum, Floor
(See Linoleum Roll & Tile)

Tile, Quarry

Builders Brick Co
Carlyle Tile Co
Columbia Brick Works
Gladding McBean & Co
Hanley Co
Hood Mifflin B Co
Interstate Brick Co
Ludowici-Celadon Co
Mosaic Tile Co
Murray Tile Co Inc
Summitville Tiles Inc
United States Ceramic Tile Co

Tile, Roofing

Gladding Bros Mfg Co
Gladding McBean & Co
Ludowici-Celadon Co
Wolverine Porcelain Enameling Co
Zonolite Co

Tile, Rubber

American Biltrite Rubber Co
Armstrong Cork Co
Congoleum-Nairn Co
Danbury Rubber Co Inc
Flintkote Co
Forman-Ford & Co
Gen Tire & Rub Co Bldg Materials Div
Goodrich B F Co Flooring Products
Goodyear Tire & Rubber Co
Kentile Inc
Mastic Tile Div Ruberoid Co
Mitchel Rubber Prods Inc
Musson R C Rubber Co
Robbins Floor Products Inc
United States Rubber Co
Wright Mastic Tile Div Ruberoid Co

Tile, Structural

Acme Brick Co
Acme Shale Brick Co Inc
Arketex Ceramic Corp
Brookhaven Pressed Brick Mfg Co
Builders Brick Co
Charleston Clay Prods Co
Columbia Brick Works
Design Technics
Hanley Co
Hope Brick Works
Humboldt Brick & Tile Co
Interstate Brick Co
Jenkins Brick Co
Mason City Brick & Tile
Metropolitan Brick Inc
Robinson Brick & Tile Co
Summit Pressed Brick & Tile Co
Texas Brick Co
West Virginia Brick Co

Tile, Vinyl

American Biltrite Rubber Co
Armstrong Cork Co
Azrock Floor Products Div
Bird & Son
Bonafide Mills Inc
Congoleum-Nairn Inc
Danbury Rubber Co Inc
Dodge Cork Co Inc
Flintkote Co
Forman-Ford & Co
Gen Tire & Rub Co Bldg Materials Div
Goodrich B F Co Flooring Products
Hachmeister-Inc
Johns-Manville Corp
Kentile Inc
Mastic Tile Div Ruberoid Co
Pioneer Div Flintkote Co
Robbins Floor Products Inc
Vinyl Plastics Inc
Wright Mastic Tile Div Ruberoid Co

Tile, Wall, Hardboard

Barclay Mfg Co Inc
Higgins Industries Inc
Marsh Wall Products Inc
Masonite Corp
Wood Conversion Co

Tile, Wall, Leather

Kiefer International Products Co Div

Tile, Wall Marble
(See Flooring & Wall Covering, Marble)

Tile, Wall, Metal

Alloy Tile Corp
Crown Tile Corp
Goldsmith Metal Lath Co
Hastings Aluminum Products Inc
Vikon Tile Corp
Wheeling Corrugating Co

Tile, Wall, Plastic

Artcrest Products Co Inc
Bonafide Mills Inc

Turn to Section 2—Manufacturers Directory for all addresses

Cermak Tile Co Inc
Congoleum-Nairn Inc
Forman-Ford & Co
Formica Corp
Gen Tire & Rub Co Bldg Materials Div
Hachmeister-Inc
Jones & Brown Inc
Lustro Tile Mfg Co
Marsh Wall Products Inc
Mastic Tile Div Ruberoid Co
Mastro Plastics Corp
Miraplas Tile Co
Quartz Mosaic Inc
Selck Walter E & Co
Skyline Industries Sales Inc
Sunbeam Plastics Corp
Tilemaster Corp
Tile-Rite Co

Tile, Wall, Porcelain Enamel

Interstate Brick Co
Vikon Tile Corp
Wolverine Porcelain Enameling Co

Tileboard, Prefinished

Aetna Plywood & Veneer Co
AFCO Corp
Barclay Mfg Co Inc
Marsh Wall Products Inc
Pioneer Div Flintkote Co
Prestile Mfg Co
Simpson Logging Co
Tex-A-Panel Mfg Co
United States Gypsum Co
Wallace Mfg Co
Wood Conversion Co

Timber Connectors

Cleveland Steel Specialty Co
Kees F D Mfg Co

TIMBERLOCK SPLIT RING CONNECTORS

. for simplified, stronger timber construction. Outstanding for quality and economy. Extensively used in government and private construction. Two sizes: 2½" and 4" I.D.

F. D. KEES MFG. CO.
Box 762 Beatrice, Nebraska

McKeown Bros Co
Timber Engineering Co
Timber Fasteners Inc
Timber Structures Inc

Toilets
(See Plumbing Fixtures)

Tools
(See Cutters, Drills, Guns, Hammers, Nailing Machines, Etc.)

Tools, Carpenter

Bridgeport Hardware Mfg Corp
Champion Dearment Tool Co
Cincinnati Tool Co
Cummins Pribie Tools Div J Oster Mfg Co
Damascus Steel Products Corp
Desmond-Stephan Mfg Co
Deuse E W Co
DeWalt Div AMF
Disston Div H K Porter Co Inc
Eagle Rule Mfg Corp
Eliason Tool Co
Empire Level Mfg Co
Federal Hardware Prods Inc
Fletcher-Terry Co
Foley Mfg Co
Freeman Doorjack Co
General Hardware Mfg Co Inc
Gensco Tools
Graham John H & Co Inc
Greenlee Tool Co
Gypsum Ceiling Jack Co
Hartford Clamp Co
Hartmeister Mfg Inc
Hood Bros
Irwin Auger Bit Co
J M J Industries Inc
Kedman Co
Kenco Mfg Co
Kimball Mfg Co
Leetonia Tool Co
Mayhew Steel Products Inc
Millers Falls Co
Milwaukee Elec Tool Corp
Milwaukee Tool & Equipment Co
Nicholls Mfg Co
Nicholson File Co
Owatonna Tool Co
Ox-Wall Tool Co Ltd
Parker Mfg Co
Phillips Drill Co
Plumb Fayette R Inc
Pootatuck Corp
Portable Electric Tools Inc
Ramset Fastening System
Rockwell Mfg Delta Power Tool Div
Roe Justus & Sons
Safety Nail Driver Corp
Sargent & Co
Silver Bells Ltd
Stanley Tools
Starrett L S Co
Stortz John & Son Inc
True Temper Corp
Turn-A-Bore Equipment Co
Union Tool Co
Vaughan & Bushnell Mfg Co
Wallboard Tool & Equipment Co
Warren Tool Corp
Will-Burt Co

MORE THAN A VISE . . . A WORKSHOP TOOL!

VERSA-VISE

Turns full circle . . . upright or laid flat, locks automatically!

WEIGHT, 17 lbs.

GET ONE! "13" POSTPAID ($14.95 ROCKY MT. STATES & WEST)

CIRCULAR AVAILABLE

At dealers or write VERSA-VISE, ORRVILLE, OHIO

Yates-American Machine Co

Tools, Concrete Finishing
(See also Concrete Vibrators)

Chicago Pneumatic Tool Co
Disston Div H K Porter Co Inc
Goldblatt Tool Co
Nicholls Mfg Co
Remington Arms Co Inc
Sands Level & Tool Co
Speedway Mfg Div Thor Power Tool Co
Stortz John & Son Inc
Stow Mfg Co
Thor Power Tool Co
Whiteman Mfg Co

Tools, Masons, Plasterers

Adams Co
Bridgeport Hardware Mfg Corp
Clipper Mfg Co
Columbia Brick Works
Damascus Steel Products Corp
Disston Div H K Porter Co Inc
Empire Level Mfg Co
Fletcher-Terry Co
General Hardware Mfg Co Inc
Goldblatt Tool Co
Graham John H & Co Inc
Industrial Iron Works
Karelius Albert & Sons Inc
Kent Air Tool Co
Mayes Bros Tool Mfg Co
Nicholls Mfg Co
Park Tool Co
Peerless Level & Tool Co
Phillips Drill Co
Plumb Fayette R Inc
Port Austin Level & Tool Mfg Co
Ramset Fastening System
Remington Arms Co Inc
Rice Pump & Machine Co
Safety Nail Driver Corp
Sands Level & Tool Co
Stanley Tools
Stortz John & Son Inc
Superior Scaffold Co
Tru-Line Co
Vaughan & Bushnell Mfg Co

Tractor Attachments

Allis Chalmers Mfg Const Mach Div
Arps Corp
Case J I Co
Caterpillar Tractor Co
Clark Equip Co Const Machinery Div
Danuser Machine Co
Eimco Corp
Ford Motor Co Tractor & Implement Div
Gar Wood Industries Inc
Henry Mfg Co Inc

Hough Frank Co
Hyster Co
John Deere Industrial Div
Koehring Co
LeTourneau-Westinghouse Co
Massey-Ferguson Industrial Div
Minneapolis-Moline Co
Oliver Corp
Ottawa Steel Div
Pitman Manufacturing Co
Preco Inc
Roseman Tractor Equipment Co
Schwartz Mfg Co
Servis Equipment Co
Shawnee Mfg Co Dept of Parsons Co
Sherman Prods Inc
Toro Mfg Co
Tractomotive Corp
Turner Mfg Co
Universal Pulleys Co Inc
Wagner Iron Works

Tractors

Allis Chalmers Mfg Const Machinery Div
Automatic Transportation Co
Barrett Cravens Co
Case J I Co
Caterpillar Tractor Co
Clark Equipment Co Indus Truck Div
Eimco Corp
Ford Motor Co Tractor & Implement Div
Hough Frank Co
International Harvester Co
John Deere Industrial Div
LeTourneau-Westinghouse Co
Lewis-Shepard Products Inc
Massey-Ferguson Industrial Div
Mead Specialties Co
Minneapolis-Moline Co
Oliver Corp
Toro Mfg Co

Transits
(See Instruments, Surveying)

Bostrom-Brady Mfg Co
Goldblatt Tool Co
Keuffel & Esser Co
Starrett L S Co
Warren-Knight Co
White David Instrument Co

Trenchers & Ditchers

American Hoist & Derrick Co
Arps Corp
Barber Greene Co
Charles Machine Works
Cleveland Trencher Co
Danuser Machine Co
Earth Equip Corp
Ford Motor Co Tractor & Implement Div
Gar Wood Industries Inc
John Deere Industrial Div
Kent Air Tool Co
Koehring Co
Massey-Ferguson Industrial Div
Ottawa Steel Div Yng Sprng & Wire Corp
Servis Equipment Co
Shawnee Mfg Co Dept of Parsons Co
Sherman Prods Inc
Vermeer Mfg Co
Wood Shovel & Tool Co

Trim & Casings, Metal
(See Casing, Metal)

Trim, Wood
(See Millwork & Moldings, Wood)

Trowels, Power
(See Concrete Finishing Machines)

Trucks, Fork Lift

Allis Chalmers Mfg Const Machinery Div
Automatic Transportation Co
Barrett Cravens Co
Clark Equipment Co Indus Truck Div
General Engines Co Inc
Hyster Co
John Deere Industrial Div
Koehring Co
Lewis-Shepard Products Inc
Massey-Ferguson Industrial Div
Mixermobile Manufacturers
Oliver Corp
Ottawa Steel Div Yng Sprng & Wire Corp
Sherman Prods Inc
Silent Hoist & Crane Co
Uhrden Inc
Yale & Towne Mfg Co Yale Materials

Trucks, Hand & Platform

Colson Corp

Trucks, Motor

Chevrolet Motor Div Gen Motors
Diamond T Motor Truck Co
Dodge Div
Ford Motor Co
Koehring Co
LeTourneau-Westinghouse Co
Mack Trucks Inc
Marmon-Herrington Co Inc
Prime Mover Co
Reo Div White Motor Co
Stahl Metal Prods
Studebaker-Packard Corp
Volkswagon of America Inc
White Motor Co
Willys Motors Inc

Trusses, Roof, Steel

Belson Mfg Co
Bethlehem Steel Co
Ceco Steel Prods Corp
Cuckler Steel Span Co
Haven-Busch Co
International Steel Co
Macomber Inc
Mesker George L Steel Corp
Republic Steel Corp Truscon Div
Sheffield Div Armco Steel Corp

Trusses, Roof, Wood

American Roof Truss
H-Brace Inc
Independent Lumber Co
McKeown Bros Co
Prefabricated Prods Co Inc
Rilco Laminated Prods Inc
Rosboro Lumber Co
Sanford Gri-P-Late Co
Super-Structures Inc
Timber Fabricators Inc
Timber Structures Inc
Tim-Plate Inc
Unit Structures Inc

Tubing
(See Pipe & Tubing)

Tubs, Bath
(See Plumbing Fixtures)

Tubs, Laundry
(See also Plumbing Fixtures)

Active Tool & Mfg Co
American-Standard Plumbing
Crane Co
Cutler Metal Prods Co
Kohler Co
Mustee E L & Sons Inc

duratub
Appliance-Styled *Fiber-Glas* Laundry Tubs
E. L. Mustee & Sons, Inc.
6911 Lorain Ave.
Cleveland 2, Ohio

Reed Cromex Corp
Reeves Steel & Mfg Co Div
Richmond Plumbing Fixtures
Viking Mfg Corp
Voss Washer Co

Tubs, Mixing

Chicago Pottery Co
Cleveland Wash Tray Mfg Co
Fortex Industries Inc

Underlayment Flooring
(See Flooring, Underlayment)

Vanities, Lavatory

GLISSADE MODERN VANITIES
MORGAN-WIGHTMAN
National Quality Supply House
WRITE FOR NEW 188 PAGE CATALOG
9910 PAGE - ST. LOUIS, MO.

Atkins Wood Products Corp
Borg-Warner Corp Ingersoll Humphryes
Boro Woods Prods Co Inc
Caradco Inc
Case Mfg Corp
Chicago Pottery Co
Colonial Products Co
Crane Co
Eljer Div Murray Corp of America
Farley & Loetscher Mfg Co
Glissade Inc
Great Northern Mfg Corp
Gregg & Son Inc
I-XL Furniture Co
Morgan-Wightman Co
National Vanity Co
Norris Thermador Corp
Precisionware Inc
Reed Cromex Corp
Regal Laminates Inc
Sani-Top Inc
Scheirich H J Co
Schenck William & Co
Standard Steel Cabinet Co
Toledo Desk & Fixture Co
Topcraft Inc
United Metal Cabinet Corp
Weis Henry Mfg Co

Vapor Barriers
(See also Paper, Building; Sheathing)

Abesto Mfg Co
Air-O-Cel
Allied Chemical Corp Barrett Div
American Sisalkraft Corp
Arvey Corp
Bird & Son Inc
Carey Philip Mfg Co
Delta Co
Dow Chemical Co
DuPont de Nemours & Co Inc E I
Gering Plastics Div

Designed to meet FHA requirements
GER-PAK
Polyethylene
BARRIER FILM
under slabs • in sidewalls • nashing • closing in • more!
GERING PLASTICS, division of STUDEBAKER PACKARD Corporation, Kenilworth, N. J.

Goldblatt Tool Co
Hoosier Tarpaulin & Canvas Goods Co
Infra Insulation Inc
Johns-Manville Corp
Kimberly-Clark Corp
Koppers Co Inc Durethene Plant
Kordite Corp
Ludlow Papers Inc
Meadows W R Inc
Mortell J W Co
National Mfg Corp
Presstite Div American-Marietta Co
Protective Papers Inc
Quaker State Metals Co
Reynolds Aluminum Supply Co
Reynolds Metals Co
Richkraft Co
Ruberoid Co
Sonneborn L Sons Inc
Thilmany Pulp & Paper Co
Tiger Brands Div Basic Inc
Visking Co
Warp Brothers
Wasco Products Inc

Ventilating Hoods
(See Fans, Exhaust, Bath & Kitchen)

Ventilating Registers
(See Registers, Heating & Ventilating)

Turn to Section 2—Manufacturers Directory for all addresses

Ventilators, Kitchen
(See Fans, Exhaust, Bath & Kitchen)

Ventilators, Roof & Wall

A & A Register Co
Acme Engineering & Mfg Corp
Adams Co
Air Control Products Inc
Air Devices Inc
Airolite Co
Aluminum Co of America
American Coolair Corp
American Standard American Blower Div
Atkinson Mfg Co
Aubrey Hardware Mfg Inc
Berns Air King Corp
Burnham Corp Warm Air & Cooling Div
Burt Mfg Co
Ceco Steel Prods Corp
Chelsea Fan & Blower Co Inc
Chicago Blower Corp
Clarage Fan Co
Clay Equipment Corp
Cleveland Steel Specialty Co
Consolidated General Prod Inc
Curtis Companies Inc
Damp-Vent Co
Dayton Electric Mfg Co
Diehl Mfg Co
Donley Brothers Co
Emerson Electric Mfg Co
Emerson-Pryne Co
Farley & Loetscher Mfg Co
Fasco Industries Inc
Gregg & Son Inc
Hamlin Prods Inc
Harris Inc
Home Comfort Co
Hudson H D Mfg Co
Ideal Vent Div Craig-Nevens
ILG Electric Ventilating Co
Inland Steel Products Co
Jackson Mfg Co
Klauer Mfg Co
Leigh Bldg Prods Div Air Con Prods Inc
Leslie Welding Co Inc
Louden Machinery Co
Louv-R-Pak Inc
Macklanburg-Duncan Co
Marvin Mfg Co
Metalvent Corp
Midget Louver Co
National Gypsum Co
Olson Mfg Co
Parker S Hdwe Mfg Corp
Peerless Elec Div H K Porter Co Inc
Pennsylvania Wire Glass Co
Perfect Line Mfg
Reynolds Aluminum Supply Co
Rudeen N H Co Inc
Saint Paul Corrugating Co
Sameoe Wm J Iron Co
Starline Inc
Stewart Industries Inc
Stewart S J Electric
Swartwout Co
Trane Co
United States Gypsum Co
Ventrola Mfg Co
Vestal Mfg Co
Wasco Products Inc
Weather-Bloc Co Inc
Webb Mfg Co Inc
Westinghouse Electric Corp
Wilke Metal Products Inc
Yeck Mfg Co

Vibrators, Concrete
(See Concrete Vibrators)

Vinyl Tile
(See Tile, Vinyl)

Wall Coverings, Metal

Clad-Rex Div Simoniz Co

Wall Coverings, Fabric

Birge Co Inc
Columbus Coated Fabrics Corp
Curtiss Wright Corp Curon Div
Decro-Wall Corp
Fabrikona Inc
Goodrich B F Industrial Products Co
Imperial Color Chemical & Paper Corp
Marsh Wall Products Inc
New Castle Products Inc
Standard Coated Prods Inc
Suncraft Inc
United States Plywood Corp
Werner Canvas Prods Co

Wall Coverings, Plastic

Cermak Tile Co Inc
Fabrikona Inc
Polyplastex United Inc

Wall Plates, Decorator

General Electric Co Wiring Device Dept

Wall Safes
(See Safes, Wall)

Wall Tile
(See Tile, Wall)

Wallboard, Asbestos Cement

Carey Philip Mfg Co
Fiberboard Paper Prods Inc
Flintkote Co
Johns-Manville Corp
Keasbey & Mattison Co
Kochton Plywood & Veneer Co Inc
Lehon Co
Pioneer Div Flintkote Co
Ruberoid Co
United States Plywood Corp

Wallboard, Gypsum

Allied Chemical Corp Barrett Div
Beadex Sales Inc
Bestwall Gypsum Co
Celotex Corp
Chicago Fire Brick Co
Fiberboard Paper Prods Inc
Flintkote Co
Grand Rapids Gypsum Co
Hartmeister Mfg Inc
Kaiser Gypsum Co Inc
National Gypsum Co
Ruberoid Co
United States Gypsum Co

Wallboard & Sheathing, Fiber
(See also Insulating Board)

Allied Chemical Corp Barrett Div
Armstrong Cork Co
Celotex Corp
Dant & Russell Inc
Flintkote Co
Forest Fiber Products Co
Homasote Co
Insulite Div Minn & Ontario Paper Co
Johns-Manville Corp
Kaiser Gypsum Co Inc
Lehman Co
Pioneer Div Flintkote Co
Plastergon Wall Board Co
Reynolds Aluminum Supply Co
Simpson Logging Co
United States Gypsum Co
Upson Co
Wood Conversion Co

Wallpaper

Birge Co Inc
Buffalo Wallcraft Co Inc
Cook Paint & Varnish Co
Devoe & Raynolds Co Inc
Imperial Color Chemical & Paper Corp
Peaslee-Gaulbert Paint Varnish
Pittsburgh Plate Glass Co
Prager Co Inc
Sherle-Wagner
Stamford Wallpaper Co Inc
United Wallpaper Co
Wadsworth Howland & Co
York Wall Paper Co

Washers & Dryers, Clothes

Blackstone Corp
Dexter
Easy Laundry Appliances Div
Frigidaire Div General Motors Corp
Gen Elec Co Appliance & Television Div
Hamilton Mfg Co
Hotpoint Div
Kelvinator Div American Motors Co
Maytag Co
Norge Div Borg Warner Corp
O'Keefe & Merritt Co
Philco Corp
Speed Queen Div McGraw-Edison Co
Voss Washer Co
Westinghouse Elec Appliance Div
Westinghouse Electric Corp
Whirlpool Corp

Water Closets
(See Plumbing Fixtures)

Water Heaters, Electric

American Radiator & Standard Sanitary
American-Standard Plumbing
Cleveland Heater Co
Crane Co
Cutler Hammer Inc
Day & Night Mfg Co
Eagle Electric Mfg Co
Frigidaire Div General Motors Corp
Gaffers & Sattler
Gen Elec Co Appliance & Television Div
Hedges M M Mfg Co Inc
Hotpoint Div
Hotstream Heater Co
Kelvinator Div American Motors Co
Koven L O & Bro Inc
Lindemann A J & Hoverson Co
Little H C Burner Co
McGraw-Edison Co
Monarch Range Co
Morgan-Wightman Co
National-US Radiator Corp
Norge Div Borg Warner Corp
Rheem Mfg Co
Smith A O Corp Permaglas Div
Thermador Elec Mfg Co
Vulcan Electric Co
Waldorf Heater Co
Waterfilm Boilers
Wayne Home Equipment Co Inc
Wesix Electric Heater Co
Westinghouse Elec Appliance Div
Westinghouse Electric Corp
White Products Corp
Wood John Co Heater & Tank Div

Water Heaters, Gas

American Radiator & Standard Sanitary
American-Standard Plumbing & Heating Div
Bryant Mfg Co
Cleveland Heater Co
Coleman Co Inc
Crane Co
Day & Night Mfg Co

Dearborn Stove Co
Delco Appliance Div General Motors
Federal Boiler Co Inc
Gaffers & Sattler
Handley-Brown Co
Hedges M M Mfg Co Inc
Holly-General Co Div Siegler Corp
Hotstream Heater Co
Insta-Matic Heater Co
Koven L O & Bro Inc
Little H C Burner Co
McGraw-Edison Co
Monarch Range Co
Morgan-Wightman Co
Mustee E L & Sons Inc
National-US Radiator Corp
Norge Div Borg Warner Corp
Rheem Mfg Co
Ruud Mfg Co
Smith A O Corp Permaglas Div
Suburban Propane Gas Corp
Waldorf Heater Co
Waterfilm Boilers
Wayne Home Equipment Co Inc
White Products Corp
Wood John Co Heater & Tank Div

REX WATER HEATERS
TOP QUALITY • PRICED RIGHT
WRITE DIRECT FOR DETAILS
THE CLEVELAND HEATER CO.
3310 Superior • Dept. A • Cleveland, Ohio

Water Heaters, Oil

Coleman Co Inc
Crane Co
Delco Appliance Div General Motors
Federal Boiler Co Inc
Hotstream Heater Co
Iron Fireman Mfg Co
Koven L O & Bro Inc
Kresky Mfg Co Inc
Kresno-Stamm Mfg Co
Rheem Mfg Co
Toridheet Div Cleveland Steel Prods Corp
Waterfilm Boilers
Wayne Home Equipment Co Inc
Wood John Co Heater & Tank Div

Water Softeners & Conditioners

Clayton Mark & Co
Crane Co
Culligan Inc
Elgin Softener Corp
Modern Swimming Pool Co Inc
Myers F E & Bros Co
Pennsalt Chemicals Corp
Permutit Co Div Pfaudler Permutit Inc
Red Jacket Mfg Co
Rheem Mfg Co
Scharf J H Mfg Co
Tait Mfg Co
Uniflow Mfg Co
Wayne Home Equipment Co Inc
White Products Corp

Water Supply
(See Pumps, Domestic Water Supply)

Waterproofing Compounds

Abesto Mfg Co
Allied Chemical Corp Barrett Div
Allied Compositions Co Inc
American Bitumuls & Asphalt Co
American Sta-Dri Co
Anti Hydro Waterproofing Co
Areo Co
Borden Chemical Co Div Borden Co
Cabot Samuel Inc
Camp Co Inc
Carey Philip Mfg Co
Ceresit Waterproofing Corp
Colorcrete Industries Inc
Concrete Weld Co
Cool Roof Inc
Dad & Lad Co
Dasco Co Inc
Devoe & Raynolds Co Inc
Douglas & Sturgess
Emco Cement Products Inc
Evercrete Corp
Flintkote Co
Henry W W Co
Horn A C Companies Div Sun Chem Corp
Johns-Manville Corp
Kaiser Mfg Inc
Kay-Tite Co
Koppers Co Inc Durethene Plant
Kordite Corp
Lastik Paint Inc
Logan-Long Co
Lumino Co
Marietta Paint & Color Co
Marsh Wall Products Inc
Masonry Waterproofing Co Inc
Master Builders Co
Meadows W R Inc
Medusa Portland Cement Co
Minwax Co Inc
Monroe Co Inc
National Gypsum Co
National Mfg Corp
Nova Sales Co
Pecora Inc
Penn Crete Prods Co
Permagile Corp of America
Phelan-Faust Paint Mfg Co
Pioneer Div Flintkote Co
Pittsburgh Plate Glass Co
Plextone Corp of America
Presstite Div American-Marietta Co
Price Fire & Water Proofing Co
Protection Products Mfg Co
Quartz Mosaic Inc
Ranetite Mfg Co
Reardon Co
Re-Nu-It Corp
Seddon Co
Sika Chemical Corp
Silicones Div Union Carbide
Smooth-On Mfg Co
Sonneborn L Sons Inc
Standard Dry Wall Products Inc
Steelcote Mfg Co
Sullivan Co The
Super Concrete Emulsions
Tamms Industries Co
Thompson E A Co Inc
Toch Bros
Truscon Labs Inc
Tuferete Co Inc
U S Protective Coatings Inc
Upson Co
Wasco Products Inc
Wateo-Dennis Corp
Water-Boss
Wooster Sealkote Co
X-Pando Corp

Weatherstripping

Air-Tite Products Inc
All-Metal Weatherstrip Co
Asphalt Corp of America
Baltz Robert N & Co Inc
Barland Weatherstrip Material Co
Caldwell Mfg Co
Chamberlin Co of America
Chicago Metal Strip Co
Dennis W J & Co
Duraflex Co
Durkee-Atwood Co
Formetal Inc
Goshen Sash & Door Co
Grand Rapids Hardware Co
Johns-Mansville Corp
Kessler Products Co
Lock-Joint Window Co
Macklanburg-Duncan Co
Master Metal Strip Service Inc
Miami Metal Weatherstrip Co
Monarch Metal Weatherstrip Co
Mortell J W Co
National Metal Prods
Pemko Mfg Co
Precision Weatherstrip Co
Reese Metal Weatherstrip Co
Roberts Co
Sager Weatherstrip & Caulking
Schlegel Mfg Co
Screens & Fabric Metals Corp
Seal-A-Door Co
Sentry Stop-A-Draft Co
Spanjers A J Co
Sterling Alderfer Co
Sun Screen Products Co
Unique Window Balance Corp
Unique Balance
United Industries Inc
United States Rubber Co
Weatherproof Products Corp
Western Pine Mfg Co
Zegers Inc

Window Hardware
(See Hardware, Window)

Window Screens
(See Windows & Doors, Combination)

Window Sills

Fiberesin Plastics Co
Hartglass Corp

Window Surrounds, Metal

Ceco Steel Prods Corp
Copco Steel & Engineering Co
Croft Metal Products Inc
Fenestra Inc
Hopes Windows Inc
Kawneer Co
Kewanee Mfg Co
Knapp Brothers Mfg Co
Mesker Bros Iron Co
One-Der Frame Corp
Royal Jalousie Co
Russel F C Co
Soule Steel Co

Windows, Awning Type, Metal

Adams Engineering Co
Air Vue Products Corp
Alsco Inc
Anderson V E Mfg Co Inc
Arnold Altex Aluminum Co
Ateo Aluminum Products
Berg F O Co
Bourne Products
Brown & Grist Inc
Capitol Prods Corp
Ceco Steel Prods Corp
Continental Aluminum Products Co
Croft Metal Products Inc
Crossly Window Corp
Fenestra Inc
Fentron Industries Inc
Gate City Sash & Door Co
General Bronze Corp
General Window Co
Lenahan Aluminum Window Corp
Leonard R B Inc
Ludman Corp
Maco Corp
Marmet Corp
Mesker Bros Iron Co
Metal Trims Inc
Miami Window Corp
Michel & Pfeffer Iron Works Inc
National Aluminum Co

Turn to Section 2—Manufacturers Directory for all addresses

National Window Corp
One-Der Frame Corp
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Reynolds Metals Co
Royal Jalousie Co
Rusco Windows Inc of Florida
Russel F C Co
Southern Sash Sales & Supply Co
Superior Window Co
Union Machine Co
Universal Fabricators
Universal Window Co
Valley Metal Prods Co
Vento Steel Products Co Inc
Ware Laboratories Inc
Windowmaster Corp

Windows, Awning Type, Wood

Andersen Corp
Anderson V E Mfg Co Inc
Angel Co
Biltbest Corp
Caradco Inc
Cole Mfg Co
Crestline Co
Curtis Companies Inc
Etling Window
Fabrow Mfg Inc
Farley & Loetscher Mfg Co
Gate City Sash & Door Co
Goshen Sash & Door Co
Gregg & Son Inc
International Paper Co Long-Bell Div
Ludman Corp
Malta Mfg Co
Modernaire Corp
Morgan Company
Ohio Plate Glass Co
Paxton Frank Lumber Co
R O W Sales Co

NOW! A full line of America's finest wood windows! CASEMENT, AWNING—Removeable Double-hung and Gliders. Write for full-line information—
QUALITY R·O·W WOOD WINDOWS
R·O·W SALES CO.
1365 Academy, Ferndale, Michigan
Department ABG 460

Reuten Fred Inc
Rock Island Millwork Co Factory Div

RIMCO "VENT"
WOOD WINDOW UNITS
See our insert in this issue or write . . .
ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION Rock Island, Illinois

Rockwell of Randolph Inc
Rolscreen Co
Southern Sash Sales & Supply Co
Wabash Screen Door Co
Wadsworth Millwork Corp
Western Pine Mfg Co
Woodco Corp

Windows, Basement & Utility, Aluminum

Alumatic Corp of America
Anderson V E Mfg Co Inc
Cleveland Steel Specialty Co
Copco Steel & Engineering Co
Croft Metal Products Inc
Crossly Window Corp
Fenestra Inc
Fentron Industries Inc
Fleet of America Inc
Harris Inc
Inland Steel Products Co
Kewanee Mfg Co
Krueger Mfg Co
Ludman Corp
Marmet Corp
Mueller Brass Co
National Aluminum Co
Reynolds Aluminum Supply Co
Reynolds Metals Co
Rusco Windows Inc of Florida
Russel F C Co
Schumacher F E Co
Southern Sash Sales & Supply Co
Valley Metal Prods Co
Vento Steel Products Co Inc
Windalume Corp

Windows, Basement & Utility, Steel

Adams Co
Ceco Steel Prods Corp
Colorado Metal Prod Corp
Croft Metal Products Inc
Donley Brothers Co
Federal Windows Mfg Co Inc
Fenestra Inc
Harris Inc
Hopes Windows Inc
Inland Steel Products Co
Jeffery Form Tie Co
Kewanee Mfg Co
Louden Machinery Co
Mesker Bros Iron Co
New Monarch Machine & Stamping
Republic Steel Corp Truscon Div
Russel F C Co
United States Gypsum Co
Vento Steel Products Co Inc

Windows, Basement & Utility, Wood

Andersen Corp
Angel Co
Caradco Inc
Cole Mfg Co
Crestline Co
Curtis Companies Inc
Etling Window
Fabrow Mfg Inc
Farley & Loetscher Mfg Co
Goshen Sash & Door Co
Gregg & Son Inc
International Paper Co Long-Bell Div
Ludman Corp
Morgan Company
Morgan-Wightman Co
Pacific Mutual Door Co
Rock Island Millwork Co Factory Div

RIMCO "BASEMENT"
WOOD WINDOW UNITS
See our insert in this issue or write . . .
ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION Rock Island, Illinois

Rockwell of Randolph Inc
Schumacher F E Co
Wabash Screen Door Co
Western Pine Mfg Co
White Pine Sash Co

Windows, Bow, Wood

Fabrow Mfg Inc

Windows, Casement, Aluminum

Air Vue Products Corp
Bourne Products
Ceco Steel Prods Corp
Croft Metal Products Inc
Fuller W P & Co
Kawneer Co
Krueger Mfg Co
Maco Corp
Marmet Corp
Mesker Bros Iron Co
Michel & Pfeffer Iron Works Inc
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Reynolds Metals Co
Soule Steel Co
Southern Sash Sales & Supply Co
Trimview Metal Products
Universal Fabricators
Universal Window Co
Valley Metal Prods Co
Ware Laboratories Inc
Wilke Metal Products Inc

Windows, Casement, Steel

Ceco Steel Prods Corp
Croft Metal Products Inc
Mesker Bros Iron Co
Michel & Pfeffer Iron Works Inc
Republic Steel Corp Truscon Div

Windows, Casement, Wood

Caradco Inc
Crestline Co
Curtis Companies Inc
Etling Window
Fabrow Mfg Inc
Farley & Loetscher Mfg Co
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Pullum Window Corp
R O W Sales Co
Rock Island Millwork Co Factory Div

RIMCO "CASEMENT"
WOOD WINDOW UNITS
See our insert in this issue or write . . .
ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION Rock Island, Illinois

Rolscreen Co
Southern Sash Sales & Supply Co
Wabash Screen Door Co
Western Pine Mfg Co

Windows & Doors, Combination Screen & Storm Sash, Aluminum

Quincy CLEAN FACE
CIRCLE TOP
DOORS & WINDOWS
HESS MFG. CO.
QUINCY 9, PA

Adams Co
Alsco Inc
Alumatic Corp of America
Aluminum Industries
Anderson V E Mfg Co Inc
Bee Gee Window Co
Bourne Products
Burrowes Corp
Capitol Products Corp
Chamberlin Co of America
Copco Steel & Engineering Co

Croft Metal Products Inc
Devac Inc
Eagle-Picher Co
Etling Window
Fenestra Inc
General Bronze Corp
Hess Mfg Co
Humphrey Products Inc
Ida Products Co
Jasco Aluminum Products
Kane Mfg Corp
Keystone Alloys Co
Krueger Mfg Co
Loxcreen Co Inc
Metal Trims Inc
Milco Specialties Inc
Moloney Co
Morgan-Wightman Co

ALUMINUM COMBINATION DOORS
ALL SIZES
MORGAN-WIGHTMAN
National Quality Supply House
WRITE FOR NEW 188 PAGE CATALOG
9910 PAGE - ST. LOUIS, MO.

National Aluminum Co
National Window Corp
North East Metal Products Corp
Paramount Aluminum Prod Corp
Paxton Frank Lumber Co
Philadelphia Screen Mfg Co
Regal Products Corp
Republic Steel Corp Truscon Div
Reynolds Aluminum Supply Co
Rudiger-Lang Co
Russel F C Co
Sager Weatherstrip & Caulking
Schumacher F E Co
Screens & Fabric Metals Corp
Security Aluminum Co

SECURITY
RFT* ALUMINUM PRODUCTS
- COMBINATION STORM DOORS AND WINDOWS. Regular and White Baked Enamel.
- LAP SIDING — V-GROOVE PANELS "Stock-On" and "Push-Up" siding. In white and colors.
- ALUMAROLL AWNINGS. Ready to install. K.D. and Lineal. Roll-Up and Stationary also Patio Covers

Literature available
SECURITY ALUMINUM CO.
403 Midland Avenue • Detroit 3, Mich.
Since 1920 World's Largest Manufacturer of *Roll-Formed Tubular Aluminum Combination Doors and Windows

Spanjers A J Co
State Metal Awnings Inc
Storm King Corp
Textron Metals Co
Union Machine Co
Visador Co
W M Products Co
Wabash Screen Door Co
Weather Seal Inc
Wells Aluminum Corp
Wilke Metal Products Inc
Winsulite Mfg Co
Winter Seal Corp
Woodco Corp

Windows & Doors, Combination Screen & Storm Sash, Steel

Kane Mfg Corp
Leonard R B Inc
Royal Jalousie Co
Russel F C Co
Vestal Mfg Co

Windows & Doors, Combination Screen & Storm Sash, Wood

Andersen Corp
Angel Co
Bee Gee Window Co
Caradco Inc
Crestline Co
Curtis Companies Inc
Farley & Loetscher Mfg Co
Goshen Sash & Door Co
International Paper Co Long-Bell Div
Morgan Company
Phenix Mfg Co
Rock Island Millwork Co Factory Div

RIMCO "ALUMA-WOOD"
COMBINATION DOORS & UNITS
The many advantages of WOOD, plus self-storing convenience.
ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION Rock Island, Illinois

Rockwell of Randolph Inc
Schumacher F E Co
Spokane Sash & Door Co
Wabash Screen Door Co
Woodco Corp

Windows, Double Hung, Aluminum

Air Vue Products Corp
Albritton Engineering Corp
Alsco Inc

ALSCO
ALUMINUM
PRIME WINDOWS
Single Hung • Double Hung
Slider • Awning
Sliding Glass Doors, too.
For complete information on any or all Alsco PRIME PRODUCTS . . . write
Alsco, Inc., Box AS-87, Akron 8, Ohio

Ceco Steel Prods Corp
Cole Mfg Co
Croft Metal Products Inc
Fleet of America Inc
General Bronze Corp
Humphrey Products Inc
Kawneer Co
Krueger Mfg Co
Pomeroy S H Co Inc
Remington Alum Window Corp
Reynolds Aluminum Supply Co
Reynolds Metals Co
Rusco Windows Inc of Florida
Russel F C Co
Southern Sash Sales & Supply Co
Trim Slide Inc
Windalume Corp

Windows, Double Hung, Steel

Leonard R B Inc
Pomeroy S H Co Inc
Russel F C Co

Windows, Double Hung, Wood

A R B Window Sales Co

The finest in metals for removable wood windows.
ARB WINDOW SALES COMPANY
19435 JOHN R STREET
DETROIT 3, MICHIGAN

Caradco Inc
Cole Mfg Co
Crestline Co
Curtis Companies Inc
Dierks Forests Inc
Etling Window
Fabrow Mfg Inc
Farley & Loescher Mfg Co
Ideal Co Mfg Div Wm Cameron & Co
International Paper Co Long-Bell Div
Kesko Prods Inc
Malta Mfg Co
Missoula White Pine Sash Co
Morgan-Wightman Co

WINDSOR REMOVABLE WINDOW UNITS
ALL SIZES
MORGAN-WIGHTMAN
National Quality Supply House
WRITE FOR NEW 188 PAGE CATALOG
9910 PAGE - ST. LOUIS, MO.

Pullum Window Corp
R O W Sales Co
Rock Island Millwork Co Factory Div

RIMCO "SIX-TEN"
WOOD WINDOW UNITS
See our insert in this issue or write . . . .
ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION Rock Island, Illinois

Western Pine Mfg Co

Windows, Hopper Vent, Metal

Kawneer Co
Kewanee Mfg Co
Marmet Corp
Mesker Bros Iron Co
Metal Trims Inc
Michel & Pfeffer Iron Works Inc
National Window Corp
Wilke Metal Products Inc
Windalume Corp

Windows, Hopper Vent, Wood

Caradco Inc
Curtis Companies Inc
Dierks Forests Inc
Fabrow Mfg Inc
Farley & Loetscher Mfg Co
International Paper Co Long-Bell Div
Malta Mfg Co
Rock Island Millwork Co Factory Div

Windows, Horizontal Gliding, Metal (See also Doors, Sliding Glass)

Albritton Engineering Corp
Alsco Inc
Alumatic Corp of America
Arcadia Metal Products
Capitol Products Corp
Copco Steel & Engineering Co
Croft Metal Products Inc
Crosley Window Corp

Turn to Section 2—Manufacturers Directory for all addresses

Fleet of America Inc
General Bronze Corp
Hollyview Aluminum Rolling Glass
Humphrey Products Inc
Kewanee Mfg Co
Kreuger Mfg Co
Leonard R B Inc
Mesker Bros Iron Co
Metal Trims Inc
Michel & Pfeffer Iron Works Inc
National Window Corp
Reynolds Aluminum Supply Co
Rusco Windows Inc of Florida
Southern Sash Sales & Supply Co
Steelbilt Inc
Storm King Corp
Sun Valley Industries Inc
Trim Slide Inc
Trimview Metal Products
Whizzer Industries Inc

Windows, Horizontal Gliding, Wood (See also Doors, Sliding Glass)

A R B Window Sales Co
Curtis Companies Inc
Etling Window
Farley & Loetscher Mfg Co
Horizon Door Co
International Paper Co Long-Bell Div
Malta Mfg Co
Miller Sliding Glass Door Co Inc
Pullum Window Corp
R O W Sales Co
Rock Island Millwork Co Factory Div

RIMCO "SLIDE"
WOOD WINDOW UNITS
See our insert in this issue or write . . .
ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION Rock Island, Illinois

Windows, Jalousie

Adams Engineering Co
Air Vue Products Corp
Alumatic Corp of America
Bourne Products
Chamberlin Co of America
Continental Aluminum Products Co
Croft Metal Products Inc
Fleet of America Inc
Kelco Div Wells Aluminum Corp
Leonard R B Inc
North East Metal Products Corp
Regal Products Corp
Regulux Sash & Door Co
Reynolds Aluminum Supply Co
Royal Jalousie Co
Rusco Windows Inc of Florida
Southern Sash Sales & Supply Co
Sun Valley Industries Inc
Universal Fabricators
Wells Aluminum Corp

Windows, Metal, Louver-Based

Atco Aluminum Products
Philadelphia Screen Mfg Co
Reynolds Aluminum Supply Co

Windows, Plastic

American Sisalkraft Corp
Arvey Corp
Chemold Co
Heinley Mastercraft Products
Koppers Co Inc Durethene Plant
Plyco Corp

Windows, Projected, Aluminum

Bliss Steel Prods Corp
Federal Windows Mfg Co Inc
Fenestra Inc
Metal Trims Inc
National Window Corp

ALUMINUM WINDOWS • DOORS
For Every Type of Construction—Paragon Projected Windows, Penguin, Sapphire Rolling Windows, Panel & Curtain Wall Construction, Daisy Sliding Patio-Type Doors.
PETERSON WINDOW CORPORATION
722 Livernois • Ferndale 20, Michigan

Peterson Window Corp
Southern Sash Sales & Supply Co
Vento Steel Products Co Inc

Windows, Security, Steel

Bliss Steel Prods Corp
Mesker Bros Iron Co
Michel & Pfeffer Iron Works Inc

Windows, Single Hung, Aluminum & Steel

Air Vue Products Corp
Albritton Engineering Corp
Ceco Steel Prods Corp
Croft Metal Products Inc
Crossly Window Corp
General Bronze Corp
Kawneer Co
Leonard R B Inc
Metal Trims Inc
National Window Corp
Reynolds Aluminum Supply Co
Reynolds Metals Co
Russel F C Co
Southern Sash Sales & Supply Co
Windalume Corp

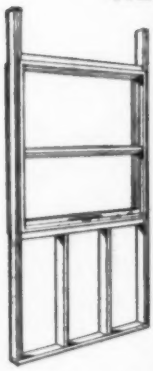
Windows, Single Hung, Wood

Air Vue Products Corp

Windows, Storm (See Windows & Doors, Combination)

Windows, Structural, Wood

Andersen Corp

NEW Andersen Strutwall

Cuts window installation steps ⅔rds. Provides strongest, most trouble-free fit
New component comes with structural wall members and Andersen Beauty-Line or Flexi-vent Window factory-assembled. To install, you simply cut two load-bearing sidestruts to fit under header. Nail in place for the strongest, most trouble-free joining of window and wall. For complete facts, write:
Andersen Corporation, Bayport, Minn.

Crestline Co
Fabrow Mfg Inc
Reuten Fred Inc

Windows, Wood, Louver-Based

Wadsworth Millwork Corp

Wire

Bethlehem Steel Co
Chase Brass & Copper Inc
Continental Steel Corp
General Cable Corp
Jones & Laughlin Steel Corp
Natl Elec Div H K Porter Co Inc
Northwestern Steel & Wire Co
Phelps Dodge Copper Prods Corp
Sheffield Div Armco Steel Corp
Touch Plate Mfg Corp
Triangle Conduit & Cable Co Inc

Wiring, Concealed Telephone

American Telephone & Telegraph Co

Wiring Devices, Electrical

Bryant Electrical Co
Cable Electric Products Inc
Circle F Mfg Co
Electra Protection Co Inc
General Electric Co Wiring Device Dept
Jerrold Electronics Corp
Keystone Mfg Co
Leviton Mfg Co Inc
Mosley Electronics Inc
Murray Mfg Corp
Pass & Seymour Inc
Wakefield Co
Westinghouse Electric Corp

Wiring, Electrical, Multi Outlet

Bryant Electrical Co
Cable Electric Products Inc
Circle Wire & Cable Corp Sub
Cleveland Steel Specialty Co
General Electric Co Wiring Device Dept
Merwin Mfg Co
Murray Mfg Corp
Wakefield Co
Wiremold Co

Wiring Systems, Remote Control

Arrow Hart & Hegeman Elec Co
Bryant Electrical Co
General Electric Co Wiring Device Dept
Jerrold Electronics Corp
Murray Mfg Corp
Remcon Div Pyramid Instrument Corp
Superior Electric Co
Touch Plate Mfg Corp
Wakefield Co

Wood (See Lumber)

Wood Paneling (See Panelwork, Wood)

Wood Sealers

Cabot Samuel Inc
Dasco Co Inc
Johnson's Wax
Lucas John & Co Inc
Marietta Paint & Color Co
Minnesota Paints Inc
Minwax Co Inc
Monroe Co Inc
United States Plywood Corp

Woodworking Machines (See Planers, Routers, Etc.)

Every well-known brand-named product is listed in this Directory, together with its manufacturer. Section 2 will give you complete addresses of manufacturers. Brands start here, continue for 21 pages.

AAA-WIN Arnold Altex Aluminum Co
A B C Adams Engineering Co
A B ARISTOCRAT Welbilt Stove Co
ABATEX Truscon Labs Inc
ABBEON Abbeon Supply Co
ABESTO CHEMICAL TERMITE CONTROL Abesto Manufacturing Co
ABESTO FIBERATED Abesto Mfg Co
ABESTO LIQUID Abesto Mfg Co
ABESTO LUMICLAD Abesto Mfg Co
ABESTO PLASTER BOND Abesto Mfg
ABESTO QUICK SET PLASTIC Abesto Manufacturing Co
ABESTO SEALER Abesto Mfg Co
ABESTO SEMI-PLASTIC Abesto Mfg Co
ACCOLON Armstrong Cork Co
ACCORDOFOLD American Accordion-Fold Doors Inc
ACCRO-LITE Mayes Bros Tool Mfg Co
A-C-E Arro Expansion Bolt Co
ACE Eagle Rule Mfg Corp
ACME Acme Appliance Mfg Co
ACME Acme Natl Refrigeration Co Inc
ACOUSTI-CELOTEX Celotex Corp
ACOUSTICAL FIREGUARD Armstrong Cork Company
ACOUSTICAL-PENCO McGuffie Co
ACOUSTILITE Insulite Div
ACOUSTOLIGHT Barreled Sunlight Paint
A-COUST-PUMP ELECTRIC Karelius Albert & Sons Inc
ACOUSTONE United States Gypsum Co
ACRILUX United States Plywood Corp
ACRISATIN American Sta-Dri Co
ACRISATIN Seidlitz Paint & Varnish Co
ACRYLITE Wasco Products Inc
ACTANE Hedges M M Mfg Co Inc
ACT-EASY Speakman Co
ACTINIC Pennsylvania Wire Glass Co
ACTIVE QUALITY WARE Active Tool & Manufacturing Company
ACT-O-MATIC Sloan Valve Co
ACUSTI-LUMINUS CEILING Luminous Ceilings Incorporated
AD-AIRE Carter-Waters Corp
ADALOX Behr-Manning Co
ADAMANT United States Gypsum Co
ADAPTABEL Edwards Co Inc
ADAPTAHORN Edwards Co Inc
ADJUST-A-BILT FIXTURES Masonite Corporation
ADJUSTA COLUMNS Adjusta Post Mfg
ADJUSTA-HITE Chain Belt Co
ADJUST-A-PITCH LOUVERS Leslie Welding Company Incorporated
ADJUSTA POSTS Adjusta Post Mfg Co
ADJUSTA-SPRAY Speakman Co
ADJUSTA-WATE Chain Belt Co
ADJUSTITE Ives H B Co
ADJUSTO Milwaukee Faucets Inc
ADJUSTO (Ironing Board) Rieter Woodwork Specialty Company
ADMIRAL Flat Metal Mfg Co
ADMIRAL Great Northern Mfg Corp
ADMIRAL General Bathroom Prods Corp
ADVANCE Beaver Advance Corp
ADVENTURER Mansfield Sanitary Inc
AERO National-US Radiator Corp
AEROCOR Owens-Corning Fiberglas Corp
AEROFAN Emerson-Pryne Co
AERO-FLEX Auer Register Co
AEROLITH Sonneborn L Sons Inc
AEROLUX Aeroshade Co
AEROLUX Consolidated Gen Prod Inc
AEROLUX Johnson S T Co
AEROWRAP Owens-Corning Fiberglas
AETNA Samson Cordage Works
A F C Labrie Mfg Co Inc
AFCO American Furnace Co
AGATINE Goodrich B F Co
AGITAIR Air Devices Inc
AGRASEAL Tamms Industries Co
AIR ACE Dotmar Industries Inc
AIR FOIL Titus Mfg Corp
AIR PLUS Jaeger Machine Co
AIRACOUSTIC Johns-Manville Corp
AIRCON McQuay Inc
AIR-CRETE Sullivan Co
AIRDITIONER Modine Mfg Co
AIRDOME Wasco Products Inc
AIRDOME (Roof Louver) Rudeen N H Company Inc
AIREFRIGERATION COOLING Williamson Company
AIRJECTOR Swartwout Co
AIR-JET General Products Co
AIRLINE Ingersoll Prod Div
AIR-LITE BRAND Graybeal C R & Sons
AIR-LITE FIBERGLAS Plastic Woven
AIR-LITE SARAN Plastic Woven Prods
AIR-LOC Unique Window Balance Corp
AIRLOUVER Swartwout Co
AIRLUME Eastern Machine Products Co
AIRMOVER Swartwout Co
AIROFLEX Auer Register Co
AIROLITE Airolite Co
AIR-O-MATIC Williams Oil-O-Matic Heating Co
AIRRAD Penn Boiler & Burner Mfg Co
AIRPATH Goodrich B F Co
AIR-SPEED Louisville Cement Co
AIRSTRIP Mitchel Rubber Prods Inc
AIRTRIM Vulcan Radiator Co
AIRTROL Allied Compositions Co Inc
AIRTROL (Heating) Holly-General Co
AIRWEIGHT Barrett Cravens Co
AIRWEIGHT Newark Ladder & Bracket
AJAX Chicago Spring Hinge Co
AJAX (Heating Cable) Ceilheat Inc
AKBAR Kinnear Mfg Co
AL SEAL Reese Metal Weatherstrip Co
ALABASTINE Chicago Bronze & Color Works
ALABAX Pass & Seymour Inc
ALCAZAR Lindemann A J & Hoverson
ALCOTE Precision Weatherstrip Co
ALDRIN Shell Chemical Corp
ALENCO Albritton Engineering Corp
ALFOL Reflectal Corp Sub Borg Warner
ALGEM Modern Swimming Pool Co Inc
ALIGNALOCK Sargent & Co
ALIN CREST Aluminum Industries
ALIN TILT Aluminum Industries
ALINO Bowerston Shale Co
ALKATITE Pratt & Lambert Inc
ALL AMERICAN Eagle Rule Mfg Corp
ALL TUB Gerber Plumbing Fixtures
ALL WALL Gerber Plumbing Fixtures
ALEGHENY STAINLESS Allegheny Ludlum Steel Company
ALLIGATOR GRIP Wagner Mfg Co
ALLISTER ALL-O-MATIC Allister Manufacturing Company Incorporated
ALLITH Allith-Prouty Inc
ALLWEATHER LOUVERS Rudeen N H Company Incorporated
ALLWOOD Hines Edward Lumber Co
ALLWOOD Oregon Lumber Co
ALOHA BRAND Smith M R Shingle Co
ALOXITE Carborundum Co
ALPRIDE ALUMINUM Rusco Windows Incorporated of Florida
ALSTO Alsto Co
ALTICO Alloy Tile Corp
ALUM IN-AIR Air Control Products
ALUM-A-COAT Protectub Inc
ALUMALUN American Abrasive Metals
ALUMAPORTE Orchard Bros Inc Alumaroll Products Co
ALUMAROLL Orchard Bros Inc Alumaroll Products Co
A-LUMI-CAULK Sterling Quality Products Incorporated
ALUMI-COUSTIC Cupples Products Corp
A-LUMI-GLAZE Sterling Quality Products Incorporated
ALUMIKOTE Vita-Var Corp
ALUMILADDER Werner R D Co Inc
ALUMILASTIC Parr Paint & Color Co
ALUMIN-AIR Leigh Building Products
ALUMINUM-CHAMP Ludlow Papers Inc
ALUMINUM SNAP-ON Wisco Inc
ALUMISEAL Parr Paint & Color Co
ALUM-O-TOP Chase Brass & Copper Inc
ALUNDUM Behr-Manning Co
ALUNDUM Norton Co
AL-WEL-DOOR Superior Industries Inc
ALWINTITE General Bronze Corp
A-M WOOD PRESERVATIVE Marietta Paint
AMAGLASE American Asbestos
AMALITE American Asbestos Product Co
AMANIZE American Asbestos Product Co
AMARLITE American Art Metals Co
AMASPRO American Asbestos Prod Co
AMBALLOY Byers A M Co
AMBASS-A-DOR Ambassa Dor Co
AMERFLEX American Flexible Conduit
AMER-GLAS American Air Filter Co
AMERIBOW American Roof Truss
AMERICAN Columbia Geneva Steel
AMERICAN Tennessee Coal & Iron Div
AMERICAN American Hoist & Derrick
AMERICAN BRAND Builders Fireplace & Supply
AMERICAN CRANES American Hoist & Derrick Company

Turn to Section 2—Manufacturers Directory for all addresses

AMERICAN DUA-LAPS American Stained Shingle Co
AMERICAN SOLID Curtis Companies Inc
AMERICAN SUPER 8 Am Floor Machine
AMERICAN THATCH Ruberoid Co
AMERICAN TUBULAR Universal Mfg
AMERICANA TRIPLE-TRACK-TILT WINDOWS Alsco Inc
AMER-PLY-WOOD Lehman Co
AMER-PLY-WOOD Southwood Corp
AMERSPUN Fabrikona Inc
AMERWOOD Lehman Co
AMERWOOD Southwood Corp
AMHERST SANDSTONE Cleveland Quarries Company
AMIDON FITTINGS Amidon Engr Co
AMTICO American Biltrite Rubber Co
AMURSEAL Anti Hydro Waterproofing
AMVAD Edwards Co Inc
AMWELD Amweld Building Products
ANACONDA American Brass Co
ANCHOR Allied Chemical Corp
ANCHOR Lufkin Rule Co
ANCHOR Maze W H Co
ANCHOR Merwin Mfg Co
ANCHORBOND Allied Chemical Corp
ANCHORFAST NAILS Independent Nail & Packing Co
ANCHORITE Wall Plugs Inc
ANCHOR-LOK Allied Chemical Corp Barrett Division
ANCHORS Devices Div Miracle Adhesive
ANCOR-EEZ Woodmack Products Inc
ANDROC PENTA Androc Chemical Co
ANDROCK Washburn Co
ANDRUS Hoe R & Co Inc
ANNUNCIETTE Edwards Co Inc
ANTI-HYDRO Anti Hydro Waterproofing
ANTIQUE WALNUT Masonite Corp
ANVILCRETE Allied Compositions Co
ANTY-CHEK Rockcote Paint Co
ANYSTREAM Speakman Co
APCO Aluminum & Glass Products Co
APCO PUMP Aurora Pump Div New York Air Brake Co
APECO American Photocopy Equipment
APRILAIRE Research Products Corp
APSCO Associated Plumbing Supply Co
AQUADAM Johns-Manville Corp
AQUA-FLO Morrison Co
AQUA-SEAL Sullivan Co The
AQUASEAL General Cable Corp
AQUA-SHIELD Camp Co Inc
AQUATHENE General Cable Corp
AQUATHERM Circle Wire & Cable Corp
AQUA-VAC Modern Swimming Pool Co
AQUET Pennsalt Chemicals Corp
AQULUX Johnson S T Co
A R B FEATHER-LIFT A R B Window Sales Company
A R B REMOV-A-GLIDE A R B Window Sales Company
A R B 400 WINDOWS A R B Window Sales Company
ARCADIA Cole Mfg Co
ARCHITECT Bird & Son Inc
ARDEE Werner R D Co Inc
ARIDCLEAR Anti Hydro Waterproofing
ARID-KOTE Masonry Waterproofing Co
ARID-MIX Masonry Waterproofing Co
ARIDSIL Anti Hydro Waterproofing Co
ARIDTITE Anti Hydro Waterproofing Co
ARIDTONE Anti Hydro Waterproofing
ARISLIDE Michel & Pfeffer Iron Works
ARISTO Flat Metal Mfg Co
ARISTOCRAT Air Control Products Inc
ARISTOCRAT Ohio Stamping Prods Co
ARISTOCRAT HEATING CABLE Ceilheat Incorporated
ARISTOFLEX-CONFETTI Mastic Tile Div Ruberoid Co
ARISTOPAVE Thomas Moulding Floor Company
ARKANSAS SOFT PINE Fordyce Lumber Company
ARLINGTON Gerber Plumbing Fixtures
ARM-GLAZE Dicks Armstrong Pontius
ARM-GLAZE TYPE M Dicks Armstrong Pontius Inc
ARMOLAC Sonneborn L Sons Inc
ARMORPLY CHALKBOARD United States Plywood Corp
ARMORTOP Anti Hydro Waterproofing
ARMPLEX Chicago Spring Hinge Co
ARRESTONE Armstrong Cork Co
ARRO-CORE Arro Expansion Bolt Co
ARROFLUTE Arro Expansion Bolt Co
ARRO-LOCK United States Gypsum Co
ARROW Copymation Inc
ARROW Eagle Rule Mfg Corp
ARROW DELUXE Eagle Rule Mfg Corp
ARROW STAPLERS Arrow Fastener Co
ARROW-HART Arrow Hart & Hegeman Electric Company
ARROW SUPREME Eagle Rule Mfg Corp
ART National-U S Radiator Corp
ART LINE Calder Mfg Co
ARTRIM Superior Industries Inc
ART-ROC Truscon Labs Inc
ASBESTALUX United States Plywood
ASBESTILE Johns-Manville Corp
ASBESTOS MASONRY WATER REPELLENT Abesto Mfg Co
ASBESTO SEMI-PLASTIC Abesto Mfg
ASH-PIT Handley-Brown Co
ASHTONE Bloomington Limestone Corp
ASPHALCRETE Thomas Moulding Floor Company
ATHA Stanley Tools
ATLAS CEMENT Universal Atlas Cement Div U S Steel Corp
ATLAS (Tools) Atlas Press Co
ATLAS COMPO FORMS Irvington Form & Tank Co
ATLAS SPEED FORMS Irvington Form & Tank Co
ATLITE Atlas Electric Prods Co
ATMOS-THERM Rempe Co
ATTIC-AIR Acme Engrg & Mfg Corp
ATTI-C-OOLER Damp-Vent Co
AUBREY Aubrey Hardware Mfg Inc
AUDICOTE United States Gypsum Co
AUDITONE United States Gypsum Co
AURORA PUMP Aurora Pump Div New York Air Brake Co
AUTO-BLOC Round David & Son Inc
AUTO-CUBER Besser Co
AUTOFLO Speakman Co
AUTO LOCK Superior Scaffold Co
AUTO-LOK Ludman Corp
AUTOMATIC HOUSEKEEPER Trion Inc
AUTO-NAILER Auto-Nailer Co
AUTOSHIFT Hamilton Mfg Co
AUTO-SEAT American Photocopy Equipment Company
AUTOYRE Ekco Products Co
AXIAL FLOW Trade-Wind Div
AXIAL FLO-FANS Emerson-Pryne Co
AZPHLEX Azrock Floor Products
AZROCK Azrock Floor Products
AZTEC Sullivan Co
BG 2 Bay State Abrasive Products Co
B & H ANGLE-RITE Butcher & Hart
B SPINNER American Floor Machine Co
B L P Mobile Paint Mfg Co
BACKER BOARD Air O-Cel
BAK-R-FOAM Alsco
BALANCED-FLOW Goulds Pumps Inc
BALL-RITE Cummins Portable Tools
BALSAM-WOOL Wood Conversion Co
BAMA BRAND Alabama Oak Flooring
BAMBOOFOLD American Accordion-Fold Doors Inc
BANDLITE Mississippi Glass Co
BANTAM Grant Pulley & Hardware
BANTAM Remington Arms Co Inc
BAR BROOK BREEZE BUILDER Bar-Brook Mfg Co
BARCO DRILL Barco Mfg Co
BARCO HAMMER Barco Mfg Co
BARCO RAMMER Barco Mfg Co
BARCO VIBRA-TAMP Barco Mfg Co
BARCOL Barber Colman Co
BAR-CORODE Mobile Paint Mfg Co
BAR D-K Cabot Samuel Inc
BARNES Temperature Appliance Mfg Co
BARRELED SUNLIGHT Allied Chemical
BARRELED SUNLIGHT Barreled Sunlight Paint Co
BARRETT-HOLT Allied Chemical Corp
BASE-RAY Burnham Boiler Corp
BATHE-RITE Milwaukee Stamping Co
BATHKING Norman W F Sheet Metal
BATH MAID Kitchen Maid Corp
BAXCO Baxter J H & Co
BAYFLEX Bay State Abrasive Prods Co
BAY HARBOR Luxor Carpet Co
BAYLAUN-BRAND Elliott Bay Mill Co
BAY STATE Devoe & Raynolds Co Inc
BEADEX CORNERS Beadex Sales Inc
BEADEX JOINT TAPE Beadex Sales Inc
BEAM-HUGGER Round David & Son Inc
BEAR Behr-Manning Co
BEAUTI-BATH National Aluminum Co
BEAUTI-DOR Beauti-Dor Inc
BEAUTI-WOOD Lehman Co
BEAUTY BARROW Northwest Metal
BEAUTYCRAFT CURV LINE Beautycraft Kitchens Div
BEAUTY-GLO Vita-Var Corp
BEAUTYKOTE Vita-Var Corp
BEAUTYLINE Andersen Corp
BEAUTYLINE Holcomb & Hoke Mfg Co
BEAUTY QUEEN Toledo Desk & Fixture
BEAUTY-TONE Vita-Var Corp
BEAUTY WALL SHAKES Western Door & Plywood Corp
BEAUTYWARE Briggs Mfg Co
BEAUTYWOOD Beautycraft Kitchens Div Miller Metal Products Inc
BEAVER Mansfield Sanitary Inc
BEAVER Samson Cordage Works
BEE GEE WINDOWS Bee Gee Window
BEHR-LAC Linseed Oil Products Co
BEL-AIR Air Control Products Inc
BEL-AIR Leigh Building Products
BELAIRE Emerson-Pryne Co
BELLWOOD DOORS Bellwood Co of Cal
BELMAR Hough Mfg Corp
BELTEVATOR Buschman E W Co Inc
BEN FRANKLIN United States Gypsum
BENDICK SELF-LEVELING LADD Richbilt Mfg Co
BENDIX-FRIEZ Abbeon Supply Co
BENEFACTOR Hess Co
BENEFIRE Bennett-Ireland Inc
BENEFORM Bennett-Ireland Inc
BEN-HUR FREEZERS Ben-Hur Mfg Co
BENJAMIN Thomas Industries Inc
BENNETT BILT Bennett Mfg Co
BENWOOD FINISHES Moore Benjamin
BERKELEY Allied Metals Inc
BERKITE Modern Swimming Pool Co
BERKO UH SERIES Berko Electric Mfg
BERMICO Brown Co
BERMIDRAIN Brown Co
BERMIGATION Brown Co
BERMIROAD Brown Co
BERMISEPTIC Brown Co
BERRY DOORS Berry Door Corp
BESSER-MATIC Besser Co
BESSER PRE CASTER Besser Co
BEST WALL Bestwall Gypsum Co
BETSY ROSS Carey-McFall Co
BEVELITE Mississippi Glass Co
BEVIL-DEVIL Kimball Mfg Co
B H & ROTARY Johnson S T Co
BIDDLES ELASTIC Biddle Co
BIG G BOOSTER General Water Heater
BIG MUSCLE Ottawa Steel Div
BIG 7 JALOUSIE Superior Window Co
BIG TIMBER-BRAND Elliott Bay Mill
BILDRITE Insulite Div
BILT-WELL Caradco Inc
BIN-PAK Ives H B Co
BIN-VEYOR Bosworth Mfg Co
BI-RAIL Acme Appliance Mfg Co
BIRGE MEDALLION Birge Co Inc
B-K POWDER Pennsalt Chemicals Corp
BLACK DIAMOND Allied Chemical Corp
BLACK DIAMOND (Files) Nicholson File
BLACKHAWK Tilley John S Ladders Co
BLACK SHIELD Allied Chemical Corp
BLACK TEMPERED PRESDWOOD Masonite Corporation
BLAZECRETE Johns-Manville Corp
BLEND-AIR Coleman Co Inc
BLENDTEX United States Gypsum Co

BLOC-SEAL Surface Protection Co Inc
BLO-FAN Emerson-Pryne Co
BLOK-JOINT Carter-Waters Co
BLOK-LOK A A Wire Products Co
BLOK-MESH Carter-Waters Corp
BLO-VAC Atlas Floor Surfacing Machinery Corp
BLUBAG Woodville Lime Products Co
BLU-FLEX Millers Falls Co
BLU-MOL Millers Falls Co
BLUE-BOND Clipper Mfg Co
BLUE CIRCLE Dunkirk Radiator Corp
BLUE FLASH Bay State Abrasive Prods
BLUE LINE Gates & Sons Inc
BLUE RIBBON Thatcher Furnace Co
BLUE RIDGE American-Saint Gobain
BLUSH BUFFS Bowerston Shale Co
B N C O PARTITIONS Biersach & Neidermeyer Company
BOISE CASCADE TRU-GRADE Cascade Lumber Company
BOLTA FLOOR General Tire & Lumber Co Building Materials Div
BOLTA-TOP General Tire & Rubber
BOLTA WALL General Tire & Rubber
BOL-TITE Pyramid Mouldings Inc
BONANZA Wooster Brush Co
BONDACTOR Air Placement Equip Co
BONDALL Allied Compositions Co Inc
BONDCRETE United States Gypsum Co
BONDEX Reardon Co
BONDKOTE National Mfg Corp
BONDRITE Standard Paste & Glue Co
BONDSTONE Emco Cement Products Inc
BONDWOOD Harris Mfg Co
BONNIE PLASTIC TILE Jones & Brown
BONTEX Columbus Coated Fabrics Corp
BO PEEP Carey-McFall Co
BORD-JAK Maco Corp
BOROLON Simmonds Abrasive Co
BOSCO Bowerston Shale Co
BOWBAY Woodco Corp
B P S Patterson-Sargent Co
BOX-FIN Edwards Engineering Corp
BOX SHOOK U S Plywood Corp
BRAMMER LIVING KITCHENS Brammer Manufacturing Company
BREEZEMASTER Acme Engineering & Manufacturing Corporation
BREEZEMASTER Angel Co
BRESSLER Kol-Master Corp
BRIAR EDGE True Temper Corp
BRICK-LOK Standard Lime & Cement
BRIDGEPORT Bridgeport Hardware Manufacturing Corporation
BRIDJOINT United States Gypsum Co
BRIGADIER General Bathroom Products
BRIGHT-GLAZE Mosaic Tile Co
BRIKARIER Fuller Mfg Co
BRIKSULITE Certain-Teed Sales Corp
BRILLIANT FIRE Ohio Foundry & Mfg
BRISTOL DOOR General Doors Corp
BRIXMENT Louisville Cement Co
BROADLITE Mississippi Glass Co
BROAD SHADOW Allied Chem Corp Barrett Division
BROADVIEW Miami Cabinet Div Philip Carey Manufacturing
BRONCO Woodward Lumber Co
BRONZALUM American Abrasive Metals
BRONZEGLOW BIRCH H J Scheirich Co
BROOKPLY Brookings Plywood Corp
BROWN-LABEL Johnsons Wax
BROWNSKIN FOIL BARRIER Ludlow Papers Incorporated
BROWNSKIN VAPORSEAL Ludlow Papers Incorporated
BROWN-X Pass & Seymour Inc
BRULE Brule Incinerator Corp
BRUSHWOOD Congoleum-Nairn Inc
BUCKEYE Gar Wood Industries Inc
BUCKEYE Youngstown Sheet & Tube Co
BUDGET INTERLOCK Jones & Brown
BUDGIT Manning Maxwell & Moore
BUILT-IN Standard Building Prods Co
BUILT-UP ROOF Ther-Mo Roof Inc
BULKBINDER Gerrard A J & Co
BULLCLAM Drott Mfg Corp
BULLDOG Bulldog Div Gregory Ind
BULLDOZER Atlas Floor Surfacing Machinery Corporation
BULL DOG FLOOR CLIPS New Monarch Machine & Stamping
BULLS EYE BLACK GLOSS Zinsser William & Co Inc
BULLS EYE SHELLAC Zinsser William
BURKAY Smith A O Corp Permaglas Div
BURKS Decatur Pump Co
BURT FREE FLOW GRAVITY VENTILATOR Burt Mfg Co
BURT MONITOR GRAVITY VENTILATOR Burt Mfg Co
BURT MONOVENT Burt Mfg Co
BURT STANDARD GRAVITY VENTILATOR Burt Mfg Co
BURT THERMAVENT Burt Mfg Co
BUSHMAN Gensco Tools
BUSTER CRABBE Cascade Pools
BUTLERIB Butler Mfg Co
BUTLER SR Flinchbaugh-Murray Corp
BUTLER JR Flinchbaugh-Murray Corp
BYERS 4-D Byers A M Co
BYZANTILE Mosaic Tile Co
CID Goulds Pumps Inc
C M C Construction Machinery Co
CABLE HEAT Electromode Div Commercial Controls
CADET Flat Metal Mfg Co
CADET General Bathroom Products Corp
CAFCO BLAZE-SHIELD U S Mineral Wool Company
CAFCO HEAT-SHIELD U S Mineral Wool Company
CAFCO SOUND-SHIELD U S Mineral Wool Company
CALCINATOR Calcinator Corp
CALDWELL LAVATORY Universal-Rundle Corporation
CALK-INS Rawplug Co Inc
CALK-O-TUBE Seal Rite Caulking Co
CALK-SCREW Maze W H Co
CAMASTIC C Cambridge Tile Mfg Co
CAMDEN LAVATORY Universal-Rundle
CAMEO Shower Door Co of America
CAMPCO National Metal Prods
CAMPCRETE Camp Co Inc
CAMP-O-LITE Camp Co Inc
CAM-TITE Ives H B Co
CANDLECTRIC Trade-Wind Div Robbins & Myers Inc
CANDYCOTE Crown Rubber Co
CANEC Pioneer Div Flintkote Co
CANNON BALL Starline Inc
CANNON PLUGS Cannon Electric Co
CAPE CANAVERAL Gerber Plumbing Fixtures Corp
CAPITALAIRE National U S Radiator
CAPITOL Standard Lime & Cement Co
CAPTAIN General Water Heater Corp
CAPRI DOORS Capri Sales Inc
CARBI-TWIST U S Expansion Bolt Co
CARBOFLEX Carborundum Co
CARBOLINEUM Carbolineum Wood Preserving Company
CARBONATIC Standard Register Co
CARBORA Cortland Grinding Wheels
CARBOSOTA Allied Chemical Corp Barrett Division
CARDENAS Evergreen States Forest
CAREYSPUN Carey Philip Mfg Co
CARLSON Disston Div H K Porter Co Inc
CARLTON Carrollton Mfg Co
CARNEY BRITE-WALL Carney Co Inc
CARNEY CUBE-FILL Carney Co Inc
CARNEY GOLDEN FLEECE Carney Co
CAROLINA Arnold Altex Aluminum Co
CARRARA Pittsburgh Plate Glass Co
CASCADE Flat Metal Mfg Co
CASE Case J I Co
CASEIN GLUE Borden Chemical Co Div Borden Company
CASEKING Vulcan Metal Prods Inc
CASE-TITE National Metal Prods
CAT Caterpillar Tractor Co
CATALINA Textron Metals Co
CATALINA SCREEN DOOR Rudiger-Lang Co
CATCH-ALL Cyclone Fence Dept
CATERPILLAR Caterpillar Tractor Co
CATHEDRAL American Roof Truss
CAULK-FLO PUMP Force-Flo Inc
CAUXEAL X-Pando Corp
CAVITY-LOK A A Wire Products Co
CECOFRAME Ceco Steel Prods Corp
CECONOMY Ceco Steel Prods Corp
CECOROLL Ceco Steel Prods Corp
CEDARCO Giles & Kendall
CEDA-SPRAE Plextone Corp of America
CEFCO Central Foundry Co
CEIL-DEK Pioneer Div Flintkote Co
CEIL-N-VENTOR Universal Blower Co
CEILTILE Arrow Fastener Co Inc
CELL-U-BLANKET Wood Conversion Co
CELLUDECK Inland Steel Products Co
CELUFOR Inland Steel Products Co
CELL-U-FORM Wood Conversion Co
CELULITE Gilman Bros Co
CELLU-TONE Pratt & Lambert Inc
CELOBRIC Celotex Corp
CELOCRETE Celotex Corp
CEL-O-GLASS Arvey Corp
CELO-ROK Celotex Corp
CELO-SEAL Celotex Corp
CELOTONE Celotex Corp
CEMCOAT Sonneborn L Sons Inc
CEMENTICO United States Gypsum Co
CEMENTONE Servicised Prods Corp
CEMENT PLUG Coddington E D Mfg Co
CEMESTO Celotex Corp
CEMENT STONE Cleveland Wash Tray
CENTRAVAC Trane Co
CENTRI-THRIFT Myers F E & Bros Co
CENTURY Tilley John S Ladders Co Inc
CERAMIDUCT Straitsville Brick Co
CERAMIFILTER Straitsville Brick Co
CERAMI-TAPE Straitsville Brick Co
CERAMITONE Sunbeam Plastics Corp
CERAMO Carey Philip Mfg Co
CERATILE Cambridge Tile Mfg Co
CERCO Ceresit Waterproofing Corp
CERTA GLAS Certain-Teed Sales Corp
CERTAIN-TEED Certain-Teed Sales Corp
CERTI-SPLIT Haynes O E & Sons Inc
CERTI-SPLIT Jackson Shake Co
CHALLENGER Boice Crane Co
CHALLENGER Coffing Hoist Div Duff-Norton Corporation
CHALLENGER Kol-Master Corp
CHAMCO Chamberlin Co of America
CHAMP #4 32W2 Ludlow Papers Inc
CHAMPAGNE WALNUT Masonite Corp
CHAMPION Dunn W E Co
CHAMPION Heinemann Saw Corp
CHAMPION Miami Window Corp
CHAMPION Safe Padlock & Hdwe Co
CHAMPION Tilley John S Ladders Co
CHAMPION United States Gypsum Co
CHAMPION Vento Steel Products Co Inc
CHAMPION (Stairs) Tenn Fabricating
CHAMPION DEARMENT Champion Dearment Tool Co
CHAMPLINE Ludlow Papers Inc
CHAMP #264 Ludlow Papers Inc
CHAN-L-CROS Junior-Pro Products Co
CHANNEL-LAP Celotex Corp
CHANNELLOCK Champion Dearment Tool Company
CHAR-B-Q Majestic Co Inc
CHARGRILL Majestic Co Inc
CHATTANOOGA Chattanooga Royal Co
CHECK-CORD & JUNIOR Lanebro Mfg
CHECKERBOARD United States Plywood Corp
CHECKPEST Wood Treating Chemicals
CHELDUOGEAR Chelsea Elevator Co
CHELGEAR Chelsea Elevator Co
CHELNOGEAR Chelsea Elevator Co
CHEMGARD 100 United States Plywood
CHEM-O-GLAS Chemold Co
CHEM-WELD Southwestern Plastic Pipe
CHEROKEE Mosaic Tile Co
CHESLENE MVB Chester Pkg Prods
CHESLER Chesler J & Sons Inc
CHES-MULCH Chester Pkg Prods
CHEXWEAR Moore Benjamin & Co
CHICAGO Chicago Spring Hinge Co
CHICOPEE Chicopee Mills Inc
CHIEF Northwest Metal Products Inc

Turn to Section 2—Manufacturers Directory for all addresses

CHINALINE Barreled Sunlight Paint Co
CHIP-A-SAW Cenatron Industries
CHLORDANE Velsicol Chemical Corp
CHORE BOY Incinerator Products Co
CHROMALITE B & T Metals Co
CHROMALOX Wiegand Edwin L Co
CHROMEBRITE United Industries Inc
CHROME CLAD Lufkin Rule Co
CHROMEDGE B & T Metals Co
CHROME-X Pass & Seymour Inc
CHROMOPAK Miller Howard Clock Co
CHROMOULD National Aluminum Co
CHROMTRIM Werner R D Co Inc
CINCH Biddle Co
CINCH National Lead Co
CINDERELLA Angel Co
CIRCLE MOLD Circle Wire & Cable Corp
CIRCLE SHEATH Circle Wire & Cable
CIRCLE SUPER Circle Wire & Cable
CIRCULATOR Majestic Co Inc
CIRESIN Circle Wire & Cable Corp
CIRESIN-75 Circle Wire & Cable Corp
CIRFLEX Circle Wire & Cable Corp
CIRO RECESS TUB Universal-Rundle
CIRTEX Circle Wire & Cable Corp
CIRTUBE Circle Wire & Cable Corp
CIRTUF Circle Wire & Cable Corp
CITATION Birge Co Inc
CLARITONE Baldwin-Ehret-Hill Inc
CLARKETTE Clark Equipment Co
CLARKLIFT Clark Equipment Co
CLAYMONT Colorado Fuel & Iron
CLAYTON LAVATORY Universal-Rundle
CLEAR-AIRE Sin-Jin Products Co
CLEAR-COAT American Sta-Dri Co
CLEARCUSHION Congoleum-Nairn Inc
CLEAR-DRAIN Sin-Jin Products Co
CLEARLITE Fourco Glass Co
CLEAR PANEL Unit Structures Inc
CLEAR SITE Pickett Products Inc
CLEARTOX Abesto Manufacturing Co
CLERESPAN Republic Steel Corp
CLIMATE CHANGER Trane Co
CLIMATE MASTER Hess Co
CLIPPER Clark Equipment Co
CLIPPER Temperature Appliance Mfg
CLIPPER Trade-Wind Div Robbins & Myers Incorporated
CLIPPERETTE Temperature Appliance
CLIPTFAST Ruberoid Co
CLOR-TABS Pennsalt Chemicals Corp
CLOROPOOL Modern Swimming Pool
CLOSUR-DOR Closures Sales Corp
CLOS-O ROD Mirro Chrome Co Inc
CLOS-O-SHELF Mirro Chrome Co Inc
CLOSUR-DOR Closures Sales Corp
CLUSTER SQUARE Wood-Mosaic Corp
COAL SUPER Williamson Co
COATATUB Protectub Inc
COAT CRETE Penn Crete Prods Co
COBURN Colorado Fuel & Iron Corp
COFAR Granco Steel Prods Co
COIL-WAL Dubuque Products Inc
COLD-BAR Calbar Paint & Varnish Co
COLD GENERATOR Trane Co
COLDSHELF Barkow Aug G Mfg Co Inc
COLLOPAKES Cabot Samuel Inc
COLONEL LOGAN Logan Co
COLONIAL Birge Co Inc
COLORCRETE Lumino Co
COLORBESTOS Johns-Manville Corp
COLORCRON Master Builders Co
COLORGLAZE Colorcrete Industries Inc
COLORMIX Master Builders Co
COLORSOL Martin-Senour Co
COLORSPAN Mondial United Corp
COLORTOP Ceresit Waterproofing Corp
COLORUNDUM Horn A C Companies
COLOR-TEX Kawneer Co
COLOR-TEX Ruberoid Co
COLUMBIA Eagle Rule Mfg Corp
COLUMBIA National Metal Prods
COLUMBIA-MATIC Columbia Mills Inc
COMASCO Consolidated Mach & Supply
COMBOMATIC Easy Laundry Appliances Div Murray Corp of America
COMBWOOD United States Plywood
COMET 2-TRACK TILT WINDOW Alumatic Corp of America
COMET Consolidated Mach & Supply Co
COMET General Water Heater Corp
COMET (Window) Alumatic Corp
COMFORTEMP Comfort Products Inc
COMFORTLINE National-U S Radiator
COMFORTMASTER Thatcher Furnace Co
COMFORTROL Weather Seal Inc
COMFY Bemis Mfg Co
COMINCO U S Mineral Wool Co
COMMANDER National-U S Radiator
COMMANDER Speakman Co
COMMANDO Ottawa Steel Div Young Spring & Wire Corp
COMMANDO (W C) Universal-Rundle
COMMODORE Fiat Metal Mfg
COMMODORE (Light) Wakefield Co
COMO Universal-Rundle Corp
COMPACTIC Engis Equipment Co
COMPANION Music & Sound Inc
COMPO-STACK Hamilton Mfg Co
COMPOUND M Camp Co Inc
COMPRESS Met-Cro Specialties Co Inc
CONCEPT 70 Congoleum-Nairn Inc
CONCRETE FORM PRESDWOOD Masonite Corporation
CONCRETE PLACERS Air Placement Equipment Co
CONCRETE-TERMITE DRILLS Relton
CONCRETEX Elliott Paint & Varnish Co
CONDAIRE Williamson Co
CONDOR Raybestos-Manhattan Inc
CONDUIT WEATHERMASTER SYSTEM Carrier Corporation
CONGOLEUM Congoleum-Nairn Inc
CONIC Hilti Rapid Fastening Systems
CONNOR TYPE Gairing Tool Co
CONOLITE Continental Can Co
CONQ-R-DUST Johnsons Wax
CON SAW MATIC Clipper Mfg Co
CONSERVO Cabot Samuel Inc
CONSO Consolidated General Prod Inc
CONSOWELD EDGE TRIM Consoweld Corporation
CONSOWELD 6 Consoweld Corp
CONSOWELD 10 Consoweld Corp
CONSOWELD TWIN TRIM Consoweld Corporation
CONSO WINDMASTER Consolidated General Prod Inc
CONSO WINDMASTER Aeroshade Co
CONSUMER Norman W F Sheet Metal
CONTEMPO Decro-Wall Corp
CONTINENTAL Continental Aluminum
CONTINENTAL Wabash Screen Door Co
CONTINUOUS STRIP Robbins Flooring
CONTINUFLO Egry Register Co
CONTINULOK Egry Register Co
CONTOURAMIC Swartwout Co
CONTOUR-MATIC Besser Co
CONTREAT Wood Treating Chemicals
CONTROLENS Holophane Co Inc
CONTROLLER Silver Bells Ltd
CON TROWL Champion Mfg Co
CON-VAY-IT CONCRETE SPECIAL American Conveyor Co
CON-VAY-IT MODEL R B American Conveyor Company
CONVENIENT LIVING Home Planners
CONVERT-TO-COOL Typhoon Air Conditioning Co Div Hupp Corp
CONVEYALL Bosworth Mfg Co
COOKMASTER Stove Works Inc
COOLAIR American Coolair Corp
COOLERATOR Coolerator McGraw-Edison
COOLMATE Weil-McLain Co
COOL-SPOT Signal Elec Div King-Seeley
CO-PLY North Pacific Plywood Inc
COP-O-TOP Chase Brass & Copper Inc
COPPER ARMORED SISALKRAFT American Sisalkraft Corp
COPPER-CHAMP Ludlow Papers Inc
COPPER-PAK Slant-Fin Radiator Corp
COPPERWELD Copperweld Steel Co
COPPES NAPANEE KITCHENS Coppes Incorporated
COPR-FIBRE Forty-Eight Insulations Inc
COP-R-LOY Wheeling Steel Corp
COP-R-NAP Osmose Wood Preserving
COP-R-TOX Mobile Paint Mfg Co
CORAL Lehman Sprayshield Co
CORALUX Builders Fireplace & Supply
CORALUX Johns-Manville Corp
CORDOVA LIMESTONE Texas Quarries
CORINTHIAN KOROSEAL Goodrich B F
CORK BRICK Dodge Cork Co Inc
CORKBOARD Armstrong Cork Co
CORKTITE Meadows W R Inc
CORLON Armstrong Cork Co
CORNER-EX Inland Steel Products Co
CORNER GUARD Casings Inc
CORNICE VENTILATOR Damp-Vent Co
COROMAT Owens-Corning Fiberglas
CORONET (Shower) Norman W F Sheet
CORONET Walters Mfg Co
CORONIZED Owens-Corning Fiberglas
COROTOP Owens-Corning Fiberglas Corp
CORRUFORM Granco Steel Prods Co
CORRULUX Devices Division of Miracle Adhesives Corporation
CORRULUX Johns-Manville Corp
CORTEX Cortland Grinding Wheels Corp
CORTLAND BRAND Wickwire Bros Inc
CORTLAND EMERY AGGREGATE Maguire Walter Co Inc
COSALCO Colonial Moulding & Frame
COSMOPOLITAN Congoleum-Nairn Inc
COST CUTTER New London Engineering
COTSWOLD Hopes Windows Inc
COUNTERFLO Dravo Corp
COVENTRY Mobile Paint Mfg Co
COVERALL Macklanburg-Duncan Co
COVERALL Warp Brothers
COVERANGE Carey Philip Mfg Co
CRAFTWALL PANELING Roddis Corp
CRE-O-TOX Cre-O-Tox Chemical Co
CRESCENT (Drawers) Walters Mfg Co
CRESCENT Mustee E L & Sons Inc
CRESCRETE Ceresit Waterproofing Corp
CREST Lithibar Co
CREST ACIDITEE Kaiser Mfg Inc
CREST BOND-CRETE Kaiser Mfg Inc
CREST BOND-TITE Kaiser Mfg Inc
CRESTLINE Crestline Co
CRESTONE Reardon Co
CRESTONE Armstrong Cork Co
CRESTWOOD Mengel Co
CREST TILE-SET Kaiser Mfg Inc
CREST WATER-TITE Kaiser Mfg Inc
CRETE-FIX Horn A C Co Div Sun Chem
CRETEHARD Amer Asbestos Prod Co
CRETITE Calbar Paint & Varnish Co
CREZON Crown Zellerbach Corp
CRIS CROS STEEL BRIDGING Rudeen N H Co Inc
CRITTALL One-Der Frame Corp
CROCUS Samson Cordage Works
CROSSLITE Mississippi Glass Co
CROSSLY SURESEAL JALOUSIE Crossly Window Corporation
CROWN Sloan Valve Co
CROWN Miller Co
CROWN BRAND Gensco Tools
CROWN CONTOUR Lustro Tile Mfg Co
CROWN DELUXE Lustro Tile Mfg Co
CROWN (Flooring) Crown Rubber Co
CROWN-MASTER New Castle Prod Inc
CRYSTAL Allied Chem Corp Barrett Div
CRYSTALITE Black White Limestone Co
CRYSTAL SILICONE Wurdack Chem Co
CRYSTAL TIPS McQuay Inc
CRYSTOLON Behr-Manning Co
CRYSTOLON Norton Co
CUB Master Lock Co
CUCKOO Wooster Brush Co
CUDO Mondial United Corp
CUISINE CENTRE Elkay Mfg Co
CU-PO-VENT Home Comfort Co
CUPRINOL Chemical Prod Div Darworth
CURON Curtis Wright Corp Curon Div
CURTIS Southern Mill & Mfg Co
CURTIS-ALLBRITE Curtis-Allbrite Inc
CURVFORM Schenck William & Co
CUSHION GRIP Bridgeport Hdwe Mfg
CUSHION SEAL Kessler Products Co
CUSHIONED POWER White-Rodgers Co
CUSHIONEX Allied Compositions Co Inc
CUSHIONTONE Armstrong Cork Co
CUSTOM 80 Logan-Long Co
CUSTOM FOLD American Accordion-Fold

CUSTOM MAGIC FOLD Clopay Corp
CYCLO Fasco Industries Inc
CYCLO-CORE New England Carbide Tool Co Inc
CYCLO-TWIST New England Carbide Tool Co Inc
CYCLONE Cyclone Fence Department
CYL-O-LATCH Chesler J & Sons Inc
D COR Nudor Mfg Corp
DAD & LAD Dad & Lad Co
DAISY Wagner Mfg Co
DALL Modern Swimming Pool Co Inc
DAMIT Quigley Co Inc
DAMPCOAT Wilbur & Williams Co
DANDIE MIXERS Koehring Co
DAP KWIK-SEAL Dicks Armstrong
DAP ROPE-CAULK Dicks Armstrong
DARACONE Dewey & Almy Chemical
DARA FILM Dewey & Almy Chemical
DARATARD Dewey & Almy Chemical
DARAWELD Dewey & Almy Chemical
DAREX AEA Dewey & Almy Chemical
DART Copymation Inc
DASBOND Dasco Co Inc
DASCO Dasco Co Inc
DASCO TARGETHEAD Damascus Steel
DASCRETE Dasco Co Inc
DASH PATCH Allied Compositions Co
DASTEX-X Dasco Co Inc
DASTITE Dasco Co Inc
DAS-TOP Dasco Co Inc
DAVID ROUND Round David & Son Inc
DAVIS Massey-Ferguson Industrial Div
DAVIS & WELLS Consolidated Machinery
DAVIS & WELLS Comet Mfg Co
DAYNA Progress Mfg Co Inc
DEBONAIR Acme Natl Refrigeration Co
DECI-MAGIC Marchant Smith-Corona
DECORPANEL North Pacific Plywood Inc
DECOR-A-LITE Miller Co
DECORATOR Tilley John S Ladders Co
DECORATOR KNOBS Engineered Prods
DECORFOLD Curtition Corp
DECOTILE Mosaic Tile Co
DECRO BORD Johns-Manville Corp
DECROTONE Johns-Manville Corp
DECRO-WALL Decro-Wall Corp
DEEPFREEZE Amana Refrigeration Inc
DEFENDER Corbin P & F Div
DEFT WOOD FINISH Desmond Bros Co
DEGLOSSER Savogran Co
DEHYDRATINE Horn A C Companies
DEKADOOR United States Plywood Corp
DEKALEATHER U S Plywood Corp
DEKALUX United States Plywood Corp
DEKAPLY United States Plywood Corp
DEKATILE United States Plywood Corp
DELCO CONDITIONAIR Delco Appliance
DELCO-HEAT Delco Appliance Div G M
DELCO-MATIC Crawford Door Co
DELFAIR Fair D L Lumber Co
DELTAFILM Delta Co
DELTA-SEAL Texas Vitrified Pipe Co
DELTASTRAL Delta Co
DELTOX Armstrong Cork Co
DE LUXE General Water Heater Corp
DELUXE 300 Globe Roofing Prod Co Inc
DELUXE Goodyear Tire & Rubber Co
DENCO Deniston Co
DENISON KWIK-LAY Mason City Brick
DENSULITE Insulite Division
DESIGN X Congoleum-Nairn Inc
DESMOND SIMPLEX Desmond-Stephan
DESPARD Pass & Seymour Inc
DETOPAK Mondial United Corp
DETROIT JEWEL Welbilt Stove Co
DEVILBISS Devilbiss Co
DEVIL-LEVEL Pickett Products Inc
DEVOE Devoe & Raynolds Co Inc
DEXLOCK Dexter Lock Div Dexter Indus
DEXTER Dexter Lock Div Dexter Indus
DEXTRA-LITES Swivelier Co Inc
DIAL-A-FLO General Controls Co
DIALMATIC Dexter Lock Div Dexter
DIAL-SET Kol-Master Corp
DIAMIDE Diamond Expansion Bolt Co
DIAMOND Speakman Co
DIAMOND HARD Wells J W Lumber Co
DIAMOND-LITE DOOR Morgan Co
DIAMOND T Diamond T Motor Truck Co
DIAVAC Chester Products Inc
DIE-CUT STRAP Gerrard A J & Co
DIFFUSAIRE Hart & Cooley Mfg Co
DIVIDER-ETTE CUBICLES Cutler Metal
DIXIE Rich Howard B Inc
DONNELLY Donnelly-Kelley Glass Co
DOOR BOTTOMS Schlegel Mfg Co
DOOR CHIMES International Register Co
DOORMAN Barber Colman Company
DOOROSCOPE Dooroscope Co
DORGUARD Lockwood Hdwe Mfg Co
DOR-O-MATIC Dor-O-Matic Div Republic Industries Inc
DOSCH CUSTOM CUTTER Dosch Mfg Co
DOUBLE-HUNG Wisco Inc
DOOR-N-WALL General Electric Co
DOOR-N-WALL Goder Joseph Inc
DOOR-N-WALL Hirsh S A Mfg Co
DITCH WITCH Charles Machine Works
DIVCO Division Lead Co
DOMCO Ostin David Moulding Corp
DOORMASTER Crawford Door Co
DORFLO Ez-Way Sales Inc
DOR-TITE Durkee-Atwood Co
DOUBLE-TILT Midwest Wholesale Hdwe
DOUBLE-WHITE Cabot Samuel Inc
DOUBLE X Schalk Chemical Co
DOUBLE XX Simmonds Abrasive Co
DOUBLEX Blue Ridge Glass Corp
DOUGLAS CRESTLYN Douglas Crestlyn
DOUGLAS HEARTHFORM Douglas Mfg
DOWN FLOW McQuay Inc
DO-X Schalk Chemical Co
DRAFSTOP Roberts Co
DRAFT-O-STAT Hotstream Heater Co
DRAIN-LINE Skyline Industries
DRAMEX Reardon Co
DRAVO Dravo Corp
DRAWER-KIT Firpine Products Co
DREAMLINE Angel Co
DRESDEN Mansfield Sanitary Inc
DRESSATORY Reflectotherm Inc
DRIFTONE Baldwin-Ehret-Hill Inc
DRIFTWOOD Strait & Richards Inc
DRILFAST ANCHORS US Expansion Co
DRI-N-TITE Horn A C Div Sun Chemical
DRI-CEIL Ceilheat Inc
DRI-SPEEDWALL Natco Corp
DRI TEX Wayne Chemical Prods Co
DRI-VAC Robbins Flooring Co
DRIVE-RITE ALUMINUM NAILS Independent Nail & Packing Company
DROPTOP Sturdilite Products Inc
DRY-AIRE Roper Geo D Corp
DRYLOK United Gilsonite Laboratories
DRYLON Allied Compositions Co Inc
DRYOMATIC Abbeon Supply Co
DRY-LUX Coddington E D Mfg Co
DRYSEAL Revere Copper & Brass Inc
DU-AL-CLIP Timber Engineering Co
DUAL-LAP Edco Products Inc
DUAL-PRIME Construction Mach Co
DUAL-TONE Edco Products Inc
DUALVECTOR Kritzer Radiant Coils Inc
DUBLECOTE Allied Chemical Corp
DUBL-BILT Upson Co
DUB-L-TITE Mobile Paint Mfg Co
DUCTLESS AIR PURIFIER Ductless Co
DUETTE Miami Cabinet Div Philip Carey
DU-KANE Lawrence W W & Co
DULAMEL Moore Benjamin & Co
DUMPCRETE Maxon Construction Co Inc
DUMPTOR Koehring Co
DUNBEAM Dunn W E Co
DUNBRIK Dunn W E Co
DUNTILE Dunn W E Co
DUOCREX Horn A C Div Sun Chemical
DUO-FAST Fastener Corp
DU-O-JECT Smith & Loveless Inc
DUO-GUARD PUSHMATICS Bulldog Electric Prod Div I-T-E Circuit Breaker
DUO-JOBMASTER Ramset Fastening System Winchester-Western Division
DUO-SAFETY Duo-Safety Ladder Corp
DUO-RAD Penn Boiler & Burner Mfg
DUO-TROL HEATING Holly-General Co
DUPLEX Congoleum-Nairn Inc
DUPLEX Johns-Manville Corp
DUPLEX United States Gypsum Co
DUR-ABRITE B & T Metals Co
DURABILT Auer Register Co
DURACUT Bay State Abrasive Prod Co
DURA-DEK Allied Compositions Co Inc
DURA-DIKE Allied Compositions Co Inc
DURAFAX Horn A C Div Sun Chemical
DURAFLOR Acme Appliance Mfg Co
DURAFLOR Horn A C Div Sun Chemical
DURA-GLIDE Durell Products Inc
DURA-GLIDE Zegers Inc
DURA-LAP Edco Products Inc
DURALIFE DOOR Jasco Aluminum Prod
DURALITE American Duralite Corp
DURA-LOK Allied Chem Barrett Div
DURALON Allied Compositions Co Inc
DURALOX Allied Compositions Co Inc
DURAMESH Johns-Manville Corp
DURAMIC Hanley Co
DURA-PLUG Penn Crete Prods Co
DURAPLY United States Plywood Corp
DURA-PROOF Penn Crete Prods Co
DURA-SEAL Zegers Inc
DURA SEAL International Chemical Co
DURATUB Mustee E L & Sons Inc
DURAVAL United States Gypsum Co
DUR-O-PANE Warp Brothers
DURA-WELD Penn Crete Prods Co
DUREX Chicago Spring Hinge Co
DURITE Behr-Manning Co
DURMOSEAL Seidlitz Paint & Varnish
DUROPIPE Sonoco Prods Co
DURELL Durell Products Inc
DURETHENE Koppers Co Inc Durethene
DUREX Richbilt Manufacturing Co
DU RITE Scharf J H Mfg Co
DURMO SEAL Seidlitz Paint & Varnish
DURMO THE FINISH ETERNAL Seidlitz Paint & Varnish Company
DURO Flat Metal Mfg Co
DUROGLAS General Water Heater Corp
DUROLITE Insulite Division
DURON United States Gypsum Co
DUR-X Franklin Plastics Inc
DUSKLITE Pittsburgh Plate Glass Co
DUSTRONIC Radex Corp
DUST-STOP Owens-Corning Fiberglas
DUTCH BOY National Lead Co
DUTCH BRAND Johns-Manville Corp
DUVAL Lenahan Alum Window Corp
DUXBAC Logan-Long Co
DUX SULATION Wilson Grant Inc
DX-100L POWER ASSIST Hilti Rapid Fastening Systems Inc
DYMOBITS Milwaukee Elec Tool Corp
DYMODRILL Milwaukee Elec Tool Corp
DYMORIG Milwaukee Elec Tool Corp
DYNA-AIRE C & H Air Conditioning Co
DYNAMIC True Temper Corp
DYNASTY Congoleum-Nairn Inc
DYNION Scharf J H Mfg Co
DYNO-MITE Millers Falls Co
EAGALINE Eagle Electric Mfg Co
EAGALOCK Eagle Electric Mfg Co
EAGLE-PICHER Eagle-Picher Co
EARTHCO DOZER Earth Equip Corp
EASIMOUNT Edwards Co Inc
EASTERN Rich Howard B Inc
EASTENER FOLDING DOOR Eastern Machine Products Company
EASTERNWEAVE FOLDING DOORS Eastern Machine Products Company
EASY National-Detroit Inc
EASY-CALL Music & Sound Inc
EAVESEAL Tennison Brothers Inc
EBBTONE Johns-Manville Corp
ECCO Ekstrom Carlson & Co
ECONOCOVE Johnson Plastics Corp
ECONO-CAVITY-LOK AA Wire Prod Co
ECONO-LOK AA Wire Products Co
E-CON-O-MILL Gairing Tool Co
ECONOMY Harris Mfg Co
ECONOMY (Forms) Economy Forms
ECON-O-POST Tel-O-Post Co
ECONOSOFT Red Jacket Mfg Co
ECONO-TAKEOUT Grand Rapids Hdwe
ECONOVENT Rockwell of Randolph Inc
ECON-O-WALL Ware Laboratories Inc
ECON-O-WARE Ware Laboratories Inc

Turn to Section 2—Manufacturers Directory for all addresses

EDGE GUARD Casings Inc Drywall Trim
EE-ZE-DO Allied Metals Inc
EFCO FORMS Economy Forms
EFFECTO Pratt & Lambert Inc
EKONOMY Peterson Prods Co
ELASTICA Standard-Toch Chemicals Inc
ELASTIGUM Allied Chem Barrett Div
ELASTITE Carey Philip Mfg Co
ELECTOFIN Berko Electric Mfg Corp
ELECTRA-CAL Calcinator Corp
ELECTRAMIC BROILER Stanthony Corp
ELECTR-CAL Calcinator Corp
ELECTREND Electrend Products Corp
ELECTRI-CARS Victor Adding Mach Co
ELECTRIC TRIMLINE Vulcan Radiator
ELECTRICIAN Tilley John S Ladders Co
ELECTROLON Simmonds Abrasive Co
ELECTRONIC SERVICEMAN McKee Door Company
ELECTRO-RAY INFRAFLO Electro Prods
ELECTROSTRIP Bulldog Electric
ELECTRUNITE Republic Steel Truscon
ELEVETTE Inclinator Co of America
ELGIN Elgin Softener Corp
ELITE COMPAK Egry Register Co
ELMERS GLUE-ALL Borden Chem Co
EL REY Celotex Corp
EMCO Emco Cement Products Inc
EMEREL Johnson's Wax
EMERI-BOND Maguire Walter Co Inc
EMERI-BRICK Maguire Walter Co Inc
EMERI-CRETE KURE Maguire Walter Co
EMERI-CRETE FLOORING Maguire Walter Company Incorporated
EMERI-EPOX Maguire Walter Co Inc
EMERI-TONE Allied Compositions Co Inc
EMERI-TOPCRETE Maguire Walter Co
EMERSON IMPERIAL Emerson Electric
EMERSON PRYNE Emerson Electric Co
EMPIRE Tilley John S Ladders Co Inc
EMPIRE (Tools) Empire Level Mfg Co
EMPIRE-STONE Protective Products Co
ENAMELINE Ruud Mfg Co
ENCHANTE Thomas Industries Inc
ENDURA Lustro Tile Mfg Co
ENSIGN Flat Metal Mfg Co
ENTERITE General Cable Corp
ENTRY-SENTRY Fanon Electronic Ind
EPOXALL Allied Compositions Co Inc
EQUATEMP Safetee Glass Co
ESCALIFT Shepard Elevator Co
ESKAY-LITE American Sisalkraft Corp
ES-NAIL E/S Products Inc
ESSO Gilbert & Barker Mfg Co
ESTHER WILLIAMS POOLS International Swimming Pool Corp
ETERNIUM Allied Chemical Corporation
ETLING Etling Window
EUREKALITE TROWELS Nicholls Mfg
EVANEER Evans Products Co
EVANITE Evans Products Co
EVANS Evans Rule Co
EVEN-TEMP Northwest Metal Prod Inc
EVERDUR American Brass Co
EVERETT TRENCHER Earth Equip Corp
EVER-FAST Allied Chemical Corporation
EVERFAST Ambroid Co
EVERGLAZE Mosaic Tile Co
EVERGLEAM Goodyear Tire & Rubber
EVERJET Allied Chemical Corp
EVERLAST Acme Brick Co
EVERLASTIC Acme Brick Co
EVERLASTIC Allied Chemical Corp
EVERLOX Allied Chemical Corp Barrett
EVERLUM U S Aluminum Siding Corp
EVERSET Acme Brick Co
EVERSTIK-HERO Hayes Adhesives Co
EVERTEX Mosaic Tile Co
EVER-TIGHT Wagner Mfg Co
EVERWEAR LOUVERS Rudeen N H Co
EVERWARM HEATERS Everwarm Inc
EXECUTONE Executone Inc
EXPAND-R-STRAP Gerrard A J & Co
EXPEDITE Pratt & Lambert Inc
EXPLODED TIP Wooster Brush Co
EXTERCOTE National Chemical M^g Co
EX-WOOD Lehman Co
E Z DU Imperial Color Chemical & Paper
EZEBILT Universal Mfg Corp
E-ZEE LOC Woodco Corp
E-ZEELOC Rockwell of Randolph Inc
EZELIFT BRACKETS Universal Mfg
E-Z-FLOAT ATTACHMENT Plastering Development Center Incorporated
E-Z GLAZE Calbar Paint & Varnish Co
E-Z-ON Baltz Robert N & Co Inc
E-Z-ON CAULKING COMPOUND Baltz Robert N & Company Inc
E-Z-ON GLAZING COMPOUND Baltz Robert N & Company Inc
E-Z PATCH Sullivan Co The
E-Z ROLL Engineered Products Co
E-Z POST Inland Steel Products Co
E-Z POUR Inland Steel Products Co
E-Z SHELVING HARDWARE Standard Steel Works Incorporated
E-Z-TEX Plastering Development Inc
E-Z-TEX SPRAY UNIT Plastering Development Center Incorporated
E-Z-TROWEL Plastering Development
E-Z-WAY Ez-Way Sales Inc
EZY-BEAD Steel Corner Tape Corp
F L Farley & Loetscher Mfg Co
FPF Reese Metal Weatherstrip Co
F & W Flint & Walling Mfg Co Inc
FAB-FORM Pittsburgh Steel Products
FABRICO Woodco Corp
FABRIQUE Birge Co Inc
FABRICOTE Wasco Products Inc
FABRIKONA Fabrikona Inc
FABROW Fabrow Mfg Co
FACTROLITE Mississippi Glass Co
FAIENTEX Mosaic Tile Co
FAIRFIELD Ekco Products Co
FALLS CITY True Temper Corp
FAMOUS Goshen Churn & Ladder Inc
FAN-AIR Premier Furnace Co
FANAIRE Auer Register Co
FANON FONE Fanon Electronic Indus
FARLBORD Farley & Loetscher Mfg Co
FARLITE Farley & Loetscher Mfg Co
FARLODOR Farley & Loetscher Mfg Co
FASCO Fasco Industries Inc
FASCO Ludlow Papers Inc
FASHION COLORS Sapolin Paints Inc
FASHION White-Rodgers Co
FASHIONETTE Sani-Top Inc
FASHION FAB Tedrick Bros Mfg Co Inc
FASHION-FAB WARDROBES Evergreen States Forest Products
FASHIONFOLD Hough Mfg Corp
FASHION PLATE Bryant Electrical Co
FASHIONWOOD Curtis Companies Inc
FASTINGE Leeds Edward & Co
FASTINGE NO-MORTISE Leeds Edward
FASTRIP United Gilsonite Laboratories
F C P LIQUID BOND Tamms Indus Co
FEATHERLITE Flint A W Co
FEATHER ROD Superior Scaffold Co
FEATHERWEIGHT Keasbey & Mattison
FEATHERWEIGHT (Ladders) Larson Ladder Company
FENESTA Fenestra Inc
FENMARK Fenestra Inc
FENWALL Fenestra Inc
FERALUN American Abrasive Metals Co
FERROBORD Republic Steel Corp
FERRO-FAX Horn A C Div Sun Chemical
FERROLITH Sonneborn L Sons Inc
FERRUBRON Carbolineum Wood Preserving Co
FESCO BOARD Johns-Manville Corp
FIBER-AIRE Swartwout Co
FIBERCAST Youngstown Sheet & Tube
FIBERESIN Fiberesin Plastics Co
FIBERGLAS Owens-Corning Fiberglas
FIBERLITE Insulite Division
FIBRA-TUB Cleveland Wash Tray Mfg
FIBRE FLEECE Insulation Industries Inc
FIBREKOTE National Mfg Corp
FIBRETONE Johns-Manville Corp
50-50 PUSH OVER Allith-Prouty Inc
52 CALCODA Calbar Paint & Varnish Co
FIGUREMASTER Marchant Division
FIGUREMATIC Marchant Smith-Corona
FILMIX Selby Battersby & Co
FILM-OFF Seidlitz Paint & Varnish Co
FILON Filon Plastics Corp
FILTER-FLO General Electric Appliance & Television Div
FILTER-PAK Sunroc Corp
FILZIT ZT Lux Co Inc
FINE/LINE Slant-Fin Radiator Corp
FIN-AWN-WIN Arnold Altex Alum Co
FINLAND HOUSE Litecraft Mfg Corp
FINGER-STRAP Gerrard A J & Co
FIRE-CHEX Carey Philip Mfg Co
FIRECRETE Johns-Manville Corp
FIRE-FOE Price Fire & Water Proofing
FIREFOIL Carey Philip Mfg Co
FIREHOOD Condon-King Co
FIREITE Johns-Manville Corp
FIRE-LOCK Kaul Clay Co
FIRE-SNUFF Resolite Corp
FIRESTONE VELON Plastic Woven Prods
FIRE STOP Bestwall Gypsum Co
FI ROK Celotex Corp
FIRTEX Kaiser Gypsum Co Inc
FIRZITE United States Plywood Corp
FITS-ALL Macklanburg-Duncan Co
FIVE STAR PLANS Better Homes and Gardens
FIXIT National Mfg Corp
FIXT-AIRE Hart & Cooley Mfg Co
FLAGCRETE General Concrete Prod Inc
FLAIR Buffalo Wallcraft Co Inc
FLAMEX Suburban Propane Gas Corp
FLEETLITE Fleet of America Inc
FLEETWOOD Crawford Door Co
FLEETWOOD Toledo Desk & Fixture Co
FLETCHER Fletcher-Terry Co
FLEXACHROME Pioneer Div Flintkote
FLEX-A-LITE Arnold Altex Alum Co
FLEXALUM Bridgeport Brass Co
FLEX A SWITCH Metzgar Conveyor Co
FLEXAZONE Drayson-Hanson Division
FLEXBOARD Johns-Manville Corp
FLEXCELL Celotex Corp
FLEX-CORNER Steel Corner Tape Corp
FLEXI-BILT FRAME KIT Firpine Prod
FLEXICO O'Brien Corp
FLEXICORE Flexicore Co Inc
FLEXI DUCT TAPE Wilson Grant Inc
FLEXIFONE Dukane Corp
FLEXIGUM Allied Chemical Corp
FLEX-O-GLASS Warp Brothers
FLEX-O-PANE Warp Brothers
FLEXO-SEAL Reese Metal Weatherstrip
FLEXROLLER Hypro Engineering Inc
FLEXROTOR Hypro Engineering Inc
FLEXSCREEN Bennett-Ireland Inc
FLEXSTONE Johns-Manville Corp
FLEX-SULATION Wilson Grant Inc
FLEXWOOD United States Plywood Corp
FLIGHT-VEYOR American Conveyor Co
FLINT EDGE True Temper Corp
FLINT LADDERS Flint A W Co
FLINTLITE Flint A W Co
FLIP-SEAL Rodale Manufacturing Co Inc
FLITE-CHEK Ramset Fastening System Winchester-Western Division
FLO-MASTER Acme Engineering & Mfg
FLOOR-KING American Floor Mach Co
FLOORLEVEL General Automatic Prod
FLOORLINE National-U S Radiator Corp
FLOORMASTER Atlas Floor Surfacing
FLOORSTONE Tamms Industries Co
FLOR-BLOX Tibbals Flooring Co
FLORDUCT Natl Elec Div H K Porter Co
FLOR-EVER Congoleum-Nairn Inc
FLOR-NU Coddington E D Mfg Co
FLOR-PATCH American Asbestos Prod
FLEXIVENT Andersen Corp
FLOW-COLD Acme Industries Inc
FLOW-ON Barreled Sunlight Paint Co
FLOW PAC Acme Industries Inc
FLOW RACK Rapids-Standard Co Inc
FLOW-TEMP Acme Industries Inc
FLUID-TITE Keasbey & Mattison Co
FLUSHCALL Edwards Co Inc
FLUTEX Blue Ridge Glass Corp
FOAMASTER Atlas Floor Surfacing Corp
FOAMCOTE Crown Rubber Co
FOAMEDGE Sterling Alderfer Co
FOAMFLEX Mortell J W Co
FOAMGLAS Pittsburgh Corning Corp
FOAMSIL Pittsburgh Corning Corp

FOIL-CHAMP Ludlow Papers Inc
FOIL-GLASS Resolite Corp
FOL-BAK Holcomb & Hoke Mfg Co Inc
FOLD-ASIDE Acme Appliance Mfg Co
FOLD-A-WAY Patent Scaffolding Co
FOLD-A-WEIGH Standard Bldg Prds
FOLD-BACK Macklanburg-Duncan Co
FOLDET Gates Mfg Co Inc
FOLDOOR Holcomb & Hoke Mfg Co Inc
FOOTHOLD Behr-Manning Co
FOR-AIR Forrers Div Spray-O-Bond Co
FORCE-FLO Trane Co
FORDYCE ROYAL OAK Fordyce Lumber
FORECAST Congoleum-Nairn Inc
FORELINE Yoder Manufacturing Co
FORESTONE Simpson Logging Co
FORGE CRAFT Penn-Akron Corp
FORGEWELD Colson Corp
FORMBINDER Gerrard A J & Co
FORMCO Form Co
FORM FLOW Standard Register Co
FORMFREE Mosaic Tile Co
FORMITY Form Co
FORTEX Fortex Industries Inc
FORUM Miraplas Tile Co
FORWAY US Expansion Bolt Co
FOUR A Alabama Metal Lath Co Inc
400 LINE Masonite Corp
FOUR-IN-ONE SKID SHOVEL Drott Manufacturing Corporation
FOUR POINT Wilbur & Williams Co
4-SQUARE Weyerhaeuser Co
4-WAY SAFETY PLATE Inland Steel Co
4-WAY WINDOWS Farley & Loetscher
FRAIM Safe Padlock & Hdwe Co
FRATE-GATE Gar Wood Industries Inc
FRE-FLO Sequoia Manufacturing Co
FRENCH LOCK Certain-Teed Sales Corp
FRESH'ND-AIRE Cory Corp
FRICTEX Sonneborn L Sons Inc
FRICTION-MATIC Boice Crane Co
FRIGIDAIRE Frigidaire Div G M Corp
FRONT END Allied Chemical Corp
FROST BRAND Frost Forest Products
FUEL-DOOR Handley-Brown Co
FULLER BRIKARIER Fuller Mfg Co
FULLER TILE CARRIERS Fuller Mfg Co
FULL-VU Leigh Building Products
FULTEX Fulton Cotton Mills
FULTON TARPS Fulton Cotton Mills
FURLATH Inland Steel Products Co
FUSE-O-LINK Clark Door Co Inc
FUSIONBRAZED Higbie Mfg Co
FUSIONWELD Higbie Mfg Co Avon Tube
FUTURA Penn-Akron Corp
FUTURA Beauti-Dor Inc
FUTURA (Cabinets) Mirro Chrome Co
FUTURA (Tile) Miraplas Tile Co
FYNAL-KOLOR Weatherbest Corp
FYNAL-KOTE Creo-Dipt Co Inc
FYNAL-KOTE Weatherbest Corp
FYRGARD Richmond Fireproof Door Co
G & P Grinding & Polishing Mach Corp
GE General Electric Co Apparatus Sales
GACOR WINKERS Eagle Electric Mfg Co
GAIR-LOCK Gairing Tool Co
GALVANUM Vita-Var Corp
GALVA-TEX Rockcote Paint Co
GALVA TWIST Jeffery Form Tie Co
GALVINOLEUM Rust-Oleum Corp
GARAGE DOR-MAN Dor-O-Matic Div
GARDENCRETE Colorcrete Industries
GARD-N-BEAUTY Gilbert & Bennett Co
GARLAND Welbilt Stove Co
GARNET Behr-Manning Co
GASAVER Williamson Co
GAS DE LUXE Williamson Co
GASLITES Arkla Air Conditioning Corp
GAS-O-MATIC Williams Oil-O-Matic Co
GAS SPECIAL Williamson Co
GAS SUPER Williamson Co
G-B DUCT Gustin-Bacon Mfg Co
GEE-VEE-LINE Gee Vee Line
GEMCO Moore Goodloe E Inc
GEM-SET Bay State Abrasive Products
GENASCO Fry Lloyd A Roofing Co
GENCASEAL General Cable Corp
GENCATROL General Cable Corp
GENERAL Great Northern Mfg Corp
GENERAL General Bathroom Prod Corp
GENERAL (Tools) General Hdwe Mfg Co
GENERAL GIBRALTAR General Plywood Corp
GENIE Alliance Manufacturing Co Inc
GENRALAC Sapolin Paints Inc
GENUWOOD Parkwood Laminates Inc
GERITY Hoover Bathroom Accessories
GER-PAK Gering Plastics
GETTY Getty H S & Co Inc
GIBRALTAR Flat Metal Mfg Co
GILBARCO Gilbert & Barker Mfg Co
GLAMADOR Northern Industries Inc
GLAMOUR Farley & Loetscher Mfg Co
GLASBARS Owens-Illinois
GLASFLEX Horn A C Div Sun Chemical
GLAS-GLAZ American Vitrified Prods
GLAS-GLAZ United Gilsonite Lab
GLASIRON Wolverine Porcelain Co
GLASSHEAT Continental Radiant Glass
GLASS-O-NET Warp Brothers
GLASSURFACED Kirlin Co
GLASTITE Ludlow Papers Inc
GLASWELD United States Plywood Corp
GLATEX United States Gypsum Co
GLAZECOAT Johns-Manville Corp
GLAZING FLATS Resolite Corp
GLAZOL United Gilsonite Laboratories
GLAZON Triangle Conduit & Cable Co
GLENDURA SOIL-PROOF WALL-COVERINGS Imperial Color Chemical Corp
GLIDE Frantz Mfg Co
GLIDE-ALL Woodall Industries Inc
GLIDE-AWAY Farley & Loetscher Mfg
GLIDEMASTER Arthur Cox & Sons Inc
GLIDE-O-MIR Great Northern Mfg Corp
GLIDE-O-MIR General Bathroom Prod
GLIDEOVER Wagner Mfg Co
GLIDEX Caldwell Mfg Co
GLIDER Momar Industries
GLID-TONE Glidden Co
GLIDORAMA Whizzer Industries Inc
GLISTO Sapolin Paints Inc
GLITTER Congoleum-Nairn Inc
GLOBE-ALUME Globe Roofing Prod Co
GLOBEROID Globe Paint Works Inc
GLO-FLEX Globe Paint Works Inc
GLOLOG Strait & Richards Inc
GLONAMEL Globe Paint Works Inc
GLOS-TONE Martin-Senour Co
GLULAM-BEAMS Jones Industries
GLYDE-WIN Arnold Altex Aluminum
GOLD BAK Alsco Inc
GOLD BOND National Gypsum Co
GOLD CROWN Pioneer Gen E Motor
GOLD MEDAL Patent Scaffolding Co
GOLD-METAL STAIRS Tenn Fabricating
GOLD SEAL Reese Metal Weatherstrip
GOLD-SEAL Textron Metals Co
GOLD STRAND Colorado Fuel & Iron
GOLD SEAL (Tools) Dalton Mfg Co
GOLD TIP Fletcher-Terry Co
GORDON DOOR Gordon Mfg Co
GOSSETT Kees F D Mfg Co
G P X Georgia Pacific Corp
GRAIN SHAKE Jones & Brown Inc
GRAIN-TEX Jones & Brown Inc
GRAINGLO Puget Sound Plywood Inc
GRAND PRIZE United States Gypsum Co
GRANDVIEW Miami Cabinet Div
GRANITEX Mosaic Tile Co
GRANITEX Truscon Labs Inc
GRANOLITH Barreled Sunlight Paint Co
GRAVEL-SPREADER Air Placement Co
GRAYLITE Insulite Division
GRAYS HARBOR Mackie Mill Co
GRAYSTONE Graystone Inc
GREASEPTOR Zurn Industries Inc
GREENCON Clipper Mfg Co
GREEN-LABEL Johnsons Wax
GREEN TWEED Slaymaker Lock Co
GRENADIER Wakefield Co
GRIDTONE Armstrong Cork Co
GRIDVUE Air Vue Products Corp
GRIFFIN Griffin Mfg Co
GRILLADIER Bennett-Ireland Inc
GRIND-O-FLEX Merit Products Inc
GRIP-O-MATIC Owatonna Tool Co
GRIP-ON Allied Compositions Co Inc
GRIP-SNIP Sargent & Co
GRIPTAC B & T Metals Co
GRIP TRED Plextone Corp of America
GRITCLOTH Bay State Abrasive Prods
G S D Glass Shower Door Co Inc
GUARD Columbus Coated Fabrics Corp
GUARDIAN (Lockset) Corbin P & F Div
GUARDIAN Pittsburgh Plate Glass Co
GUARDIAN General Cable Corp
GUARDIAN (Wire) General Cable Corp
GUIDE-O-MATIC Barrett Cravens Co
GULFSPRAY Binswander Glass Co
GULFSTAR Binswander Glass Co
GULF STREAM Aldrich Co
GUM-BESTOS Wilson Grant Inc
GYP C DOODLE Gypsum Ceiling Jack
GYP C HORSE Gypsum Ceiling Jack Co
GYP C JACK Gypsum Ceiling Jack Co
GYP C PROP Gypsum Ceiling Jack Co
GYRO-SPENSER Gyro Brass Mfg Corp
H & C Hart & Cooley Mfg Co
H-D Bridgeport Brass Co Hunter Douglas
H & H Arrow Hart & Hegeman Elec Co
HACKMASTER American Saw & Mfg Co
HADDON HALL Wood-Mosaic Corp
HAKO PRODUCTS Hachmeister-Inc
HALSEY TAYLOR Taylor Halsey W Co
HAMILTON Remington Alum Window
HAMMER-SETS Rawplug Co Inc
HAM-R-TOOLS Fastway Fasteners Inc
HANDI-COIL B & T Metals Co
H & P BRAND Hassell & Parkes Inc
HANDIE TALKIE Motorola Communications & Electronics Co
HANDY PLASTER Coddington E D Mfg
HAN-D-POST Sawhill Tubular Products
HANMOLE Molco Drilling Machines Inc
HARBOR DOR Harbor Plywood Corp
HARBORITE Harbor Plywood Corp
HARBOR KRAFTWOOD Harbor Plywood
HARBOR PARCORE Harbor Plywood
HARBOR WAVE Harbor Plywood Corp
HARCO Veach-May-Wilson Inc
HARCO BRAND Hardwood Corp of Am
HARCOL Sonneborn L Sons Inc
HARD-GLOSS Johnson's Wax
HARDLAP Insulite Div
HARD-TIP Heinemann Saw Corp
HARGRAVE Cincinnati Tool Co
HARMONITONE Mosaic Tile Co
HARRIS BRAND Harris Hardwood Co
HART COLLECTION Donnelly-Kelley Glass Company
HARTGLAS Hartglass Corp
HAR-VEY American Screen Products Co
HASKO Haskelite Mfg Corp
HASTINGS Hastings Alum Prods Inc
HAWK SPREAD Ohio Lime Co
HAWS-KRAMER Haws Drinking Faucet
HAYES Gerber Plumbing Fixtures Corp
HEADERDUCT National Electric Div
HEATFORM Superior Fireplace Co
HEATILATOR Vega Industries Inc
HEATLUX Johnson S T Co
HEAT-PAK Aldrich Co
HEATRITE Auer Register Co
HEAT VALVE Swartwout Co
HEETAIRES Markel Electric Prods Inc
HEF-T-POST Sawhill Tubular Prods Inc
HELIX Caldwell Mfg Co
HELYX Hillwood Mfg Co
HERCULES Meilink Steel Safe Co
HERCULES Newark Ladder & Bracket
HERCULES Sargent & Co
HERCULITE Pittsburgh Plate Glass Co
HERCULOY Revere Copper & Brass Inc
HERMAN NELSON American Air Filter
HERMIDIFIERS Abbeon Supply Co
HERMITAGE Leathers A H Mfg Co
HERMOSA Gladding McBean & Co
HERRINGBONE Merwin Mfg Co
HERRINGBONE DOUBLE MESH Republic Steel Corp Truscon Div
HEXCAST U S Expansion Bolt Co
H H 500 HANDY HORSE Federal Hdwe
H H 530 HANDY HORSE Federal Hdwe

4

Turn to Section 2—Manufacturers Directory for all addresses

HI-BOY Airtemp Div Chrysler Corp
HICO Hico Corp of America
HI-CAP Rempe Co
HIDALIFT Turner & Seymour Mfg Co
HIDE-A-SHELF Amerock Corp
HIDE-A-WAY Acme Natl Refrig Co Inc
HIDEWAY Newark Ladder & Bracket
HI-DUTY Chicago Spring Hinge Co
HI-ELECTRIC Maginniss Power Tool Co
HI-ELECTRIC Independent Lock Co
HIGHLANDER Miami Window Corp
HI-LINE Lufkin Rule Co
HI-LINE Weatherproof Prods Corp
HI-LITE Farley & Loetscher Mfg Co
HI-LITE United States Gypsum Co
HILO Frantz Mfg Co
HILO Nudor Mfg Corp
HI LO Peninsula Tool Co Inc
HI-LOAD Independent Nail & Packing
HI & LO Utica Radiator Corp
HILTI Hilti Rapid Fastening Systems Inc
HI-RATE General Water Heater Corp
HI-RED Holub Industries Inc
HI-SPEED Baughman Mfg Co Inc
HI-SPEED Louisville Cement Co
HI-STYLE Jones & Brown Inc
HOE-BOY Construction Machinery Co
HOIST-ALL Coffing Hoist Duff-Norton
HOIST MASTER Smith Hoist Mfg Co
HOL ANCHOR Hollaender Mfg Co
HOLESHOOTERS Milwaukee Elec Tool
HOLD-IT Arro Expansion Bolt Co
HOLFORD Hopes Windows Inc
HOLGUN Black & Decker Mfg Co
HOLIDAY Burnham Boiler Corp
HOLIDAY Winter Seal Corp
HOLIDAY (Storm Window) Textron Metals Company
HOLOFLUX Holophane Co Inc
HOME-CRETE Corson G & W H Inc
HOMEGARD Russell & Erwin Div
HOMEGUARD Pal-O-Pak Insulation Co
HOMELIFT Shepard Elevator Co
HOMELITE Homelite Div Textron Inc
HOMES FOR LIVING INC Architectural Plan Service Inc
HOMOFLEX Raybestos-Manhattan Inc
HOODAIRE Hearthaire Conditioning Co
HOOK-TOOTH American Saw & Mfg Co
HOPPY TRANSIT Hopkins Mfg Co
HOPTO Badger Div Warner & Swasey
HORIZON TILE Cambridge Tile Mfg Co
HORNFLEX Horn A C Companies
HORN OF PLENTY Ajax Hardware Corp
HORTON UNIVERSAL Horton Mfg Co
HOUR SEAL O'Brien Corp
HOUSEMART Roddis Plywood Corp
HOWELL Kol-Master Corp
HOWELL-DOR Howell Mfg Co
HOWELL-TITE Howell Mfg Co
HPC SOUND INSULATING DOORS Hardwood Products Corp
HUBBELLOCK Hubbell Harvey Inc
HUDEE Seick Walter E & Co
HUDSON Tilley John S Ladders Co Inc
HUETEX American-Saint Gobain Corp
HUEWHITE American-Saint Gobain Corp
HUFCOR Hough Mfg Corp
HUGADOR B & T Metals Co
HUMPHREY GAS LIGHTS General Gas Light Co
HUNT PROCESS Carter-Waters Corp
HUSH-MATIC Swanson Mfg Co
HUSH-TONE Celotex Corp
HUSKY Zoss Ladder & Mfg Co
HV-CENTRIFUGAL Decatur Pump Co
HYDRA-HAMMER Ottawa Steel Div
HYDRANOID General Controls Co
HYDRAPATCH Seddon Co
HYDRASPLIT Park Tool Co
HYDRAULIC ACTION White-Rodgers Co
HYDRA-WAY Ottawa Steel Div
HYDROCIDE Sonneborn L Sons Inc
HYDROCIDE COLORCOAT Sonneborn L Sons Inc
HYDRO-FLO Bell & Gossett Co
HYDRO-LINE Skyline Industries Sales
HYDROGUARD Powers Regulator Co
HYDROPEL American Bitumuls & Asphalt
HYDRO-PLUG Camp Co Inc
HYDROTHERM Hydrotherm Inc
HYDRO-TITE Slant-Fin Radiator Corp
HYPRO Hypro Engineering Inc
HYSTAWAY Hyster Co
HYDROXOLATOR Outdoor Oven Fireplace Co
I-BEAM Farley & Loetscher Mfg Co
IDA-DOOR Ida Products Co
IDAMATIC Ida Products Co
IDA-TILT Allied Chem Corp Barrett Div
IDA-TILT Ida Products Co
IDEAL Extension Drawer Support Co
IDEAL Ideal Vent Div Craig-Nevens
IDENTI-GRAIN Bellwood Co of Calif
IDOR Ador Corp
IGAS Sika Chemical Corp
ILCO Independent Lock Co
ILCO Indiana Limestone Co Inc
IMPERIAL Air Control Products Inc
IMPERIAL (Block Machines) Lithibar Co
IMPERIAL Miller Co
IMPERIALITES Emerson-Imperial Ltg Co
IMPERIAL SPEEDMASTER Handley-Brown Company
IMPERIAL WEATHERWALL Sun Valley Industries Inc
IMPERVO Hanley Co
IMPERVO ENAMEL Moore Benjamin
INADOR DOOR CLOSER Norton Door
IN-A-WALL CLOCK Wisconsin Clock Co
INCINOR Incineration Div Bowser Inc
INCLINE TRACK King Mfg Co
INCLINETTE Inclinator Co of America
INCLIN-ATOR Inclinator Co of America
INCOR Lone Star Cement Corp
INDEPENDENCE Independence Oak Flooring Co
INDUSTRIAL Miller Co
INDUSTRIAL HIGH-TENSILE Granite City Steel Co
INFRA-RED Emerson-Pryne Co
INFRA-RED Insto-Gas Corp
INLAND HI-BOND Inland Steel Co
INLAND TI-CO Inland Steel Co
INLAND TI-NAMEL Inland Steel Co
INSELBRIC Jones & Brown Inc
INSELSTONE Jones & Brown Inc
INSELUM Jones & Brown Inc
INSELUM SHAKE Jones & Brown Inc
INSELWOOD Jones & Brown Inc
INSL-COTTON Taylor Bedding Mfg Co
INSPECDOR Zurn Industries Inc
INSTANT-FIT Universal Fabricators
INSTANT HEAT Emerson-Pryne Co
INSTO-GAS Insto-Gas Corp
INSTO-HOT Insto-Gas Corp
INSULAYMENT BOARD Camp Co Inc
INSULFIL Miracle Adhesives Corp
INSULKOTE Johns-Manville Corp
INSULPRENE Hubbell Harvey Inc
INSULROCK Pioneer Div Flintkote Co
INTEGRALOCK Sargent & Co
INTER-CALL Music & Sound Inc
INTERCOTE National Chem & Mfg Co
INTER-LINK Cable Electric Prods Inc
INTERMATIC International Register Co
INVINCIBLE DOOR Jasco Alum Prods
INVINCIBLE Fry Lloyd A Roofing Co
INVISIBLE DOR-MAN Dor-O-Matic Div
IRONBOUND Robbins Flooring Co
IRON-COTE Sullivan Co The
IRONRITE Ironrite Inc
IVANHOE Miller Co
IVORY United States Gypsum Co
IVORY-X Pass & Seymour Inc
I-XL LAVANITIES I-XL Furniture Co
J-M Johns-Manville Corp
J M Burnham Corp Warm Air & Cooling
J N BRAND Cook F C & Co
JACK FROST Allied Chem Barrett Div
JACKLIFT Lewis-Shepard Products Inc
JACK RABBIT Hubbell Harvey Inc
JACKSON Gerber Plumbing Fixtures
JACKSON Vulcan Electric Co
JACKTRACTOR Lewis-Shepard Prods
JACQ Luxor Carpet Co
JACUZZI Jacuzzi Bros Inc
JALOUSIE Vulcan Metal Prods Inc
JAL ZINC Jones & Laughlin Steel Corp
JAMBEX Beadex Sales Inc
JAMB-UP Macklanburg-Duncan Co
JAYCANDESCENT Jay Lighting Mfg Co
JAY-LITES Jay Lighting Mfg Co Inc
JAYS ANZAC Jay Lighting Mfg Co Inc
JAYS CORONET Jay Lighting Mfg Co
JAYS PARASOL Jay Lighting Mfg Co
JAYS VISORLITE Jay Lighting Mfg Co
JEEP Willys Motors Inc
JELCO Jenkins Lumber & Mfg Co
JET-AGE McPherson Inc
JETBLAK Ruberoid Co
JET-BLASTERS Air Placement Equip Co
JET E-Z Jet Tool Inc
JET-LINE Wilson Grant Inc
JET LITE Wood Shovel & Tool Co
JET-O-MATIC Goulds Pumps Inc
JETO Lake Shore Inc
JET ROCKET True Temper Corp
JET-TOWER Youngstown Kitchens
JEWEL Master Lock Co
JEWEL (Paint) Jewel Paint & Varnish
JIFF-E-PLUGS Ackerman Johnson Co
JIFFI-SOAK Tiger Brands Div Basic Inc
JIFFY Angel Co
JIFFY Grand Haven Stamped Products
JIFFY 2 WAY Zoss Ladder & Mfg Co
JIFFY JACKS Superior Scaffold Co
JIFFY JOINT Cannelton Sewer Pipe Co
JIFFY-JOINT Texas Vitrified Pipe Co
JIM DANDY True Temper Corp
JMJ CUTTER J M J Industries Inc
JOHN DAY Hines Edward Lumber Co
JOINTSAVER Texas Vitrified Pipe Co
JUBILEE Burnham Boiler Corp
JUNIOR Sun Valley Industries Inc
JUNIOR BEAMS Jones & Laughlin Steel
JUNIOR CHANNELS Jones & Laughlin
K & M Keasbey & Mattison Co
K-V Knape & Vogt Mfg Co
KAAR IMP Kaar Engineering Corp
KAB KOOLER Onan D W & Sons Inc
KAIBAB STONE Western States Stone
KAISER Permanente Cement Co
KAISERCOUSTIC Kaiser Gypsum Co Inc
KALISTRON United States Plywood
KALITEX United States Plywood Corp
KALOK Kaul Clay Co
KANT-LEAK Sullivan Co
KANT-SAG United Steel Products Co
KANT-SLAM Kant-Slam Door Check Co
KANT-SLIP Standard Register Co
KARRY KRANE Hyster Co
KAUKIT Sonneborn L Sons Inc
KAY LEE Ductless Hood Co Inc
KEILSON Bommer Spring Hinge Co Inc
KELCO Kelco Div Wells Aluminum Corp
KELLEY BANTAM Kelley Machine Div
KELLEY BOX Kelley Machine Div
KELLEY CHIEF Kelley Machine Div
KELLEY HYDRA-TOWEL Kelley Machine Div Wiesner-Rapp Co Inc
KELLY PERFECT True Temper Corp
KEMI-KAL Sullivan Co The
KENCO Kenco Mfg Co
KENCOVE Kentile Inc
KENCORK Kentile Inc
KENFLEX Kentile Inc
KENFLOR Kentile Inc
KENGRADE Kentile Inc
KENNAFRAME Kennatrack Corp
KENNAGUIDE Kennatrack Corp
KENNALATCH Kennatrack Corp
KENNALOCK Kennatrack Corp
KENNA-PAK Kennatrack Corp
KENNA-RAMA Kennatrack Corp
KENNOLOY Kennatrack Corp
KENRUBBER Kentile Inc
KENT Speakman Co
KENTILE Kentile Inc
KENTUCKY Rich Howard B Inc
KENTUCKY COLONEL General Plywood
KERNERATOR Kerner Incinerator Div
KETCHAM Kessler Products Co

(Brand names are continued on page 118)

Services, models, financial set-ups of all prefab manufacturers are included here. Firms are listed alphabetically, by state. For further information or literature, turn to the reply card on page 19 and circle matching numbers.

ALABAMA

KINGSBURY HOMES CORP., Fort Payne, Alabama.

Firm **distributes** in 350 mi. radius. Has 38 basic plans. **Sells** through builder-dealers at **prices** from $1,995 to $8,272 f.o.b. Offers own **financing** plan. Thick **catalog** and separate model guide give detailed floor plans, color drawings, facsimile of blueprint. **Circle No. A460 on page 19.**

CONNECTICUT

FEDERAL HOMES CORPORATION, Canaan, Conn.

Firm **distributes** in 250 mi. radius. Has 20 basic plans. **Sells** to builders at prices from $3,000 to $9,000 f.o.b. **Delivers** in two to three weeks.

DISTRICT OF COLUMBIA

BARBER & ROSS CO., 2323 Fourth St., N.E., Washington, D.C.

Firm **distributes** in four states. Has seven basic plans. **Sells** through dealers or to builders at prices from $2,390 to $8,000 f.o.b. **Delivers** in ten days. Offers various **financing** methods. **Catalog** describes package which includes basic materials, blueprints, foundation and erection plans. For more details: **Circle No. A461, page 19.**

FLORIDA

PANELFAB PRODUCTS, INC., 2000 N. E. 146th St., N. Miami, Fla.

Firm **distributes** nationally, has "no limit" on number of basic plans. **Sells** through dealers or to builders at **prices** from $2,000 to $15,000 f.o.b. **Delivers** from one week to one month. Type of **financing** is arranged. **Catalog** describes package as featuring stressed-skin, structural sandwich panels. For complete information contained in catalog: **Circle No. A462, page 19.**

TRENDLINE COMPONENTS, 700 43rd St. S., St. Petersburg, Fla.

Firm **distributes** throughout Florida. Has 25 basic plans. **Sells** to builders at **prices** from $1,850 to $4,450 f.o.b. **Delivers** in one week. Offers own **financing** plan. **Literature** describes package as complete, exclusive of plumbing and electrical, and adaptable to masonry construction. For more complete information: **Circle No. A463, page 19.**

ILLINOIS

CRAFT WAY, INC., 850 Rathbone Ave., Aurora, Ill.

Firm **distributes** in 300 mi. radius. Has 18 basic plans. **Sells** through dealers or to builders at **prices** from $2,800 to $8,000 f.o.b. **Delivers** in ten days. Offers own **financing** plan. Basic package features wall panels with doors hung, windows in, partitions and trusses assembled.

W. G. BEST HOMES CO., U.S. Rt. 45 S., Effingham, Ill.

Firm **distributes** in 350 mi. radius, has 20 basic plans. **Sells** through authorized builder-dealers at **prices** from $2,100 to $9,000 f.o.b. **Delivers** in approximately ten days. Offers own **financing** plan. **Literature** describes package that consists of exterior panels conventionally framed, with windows and doors installed. Optional items. **Circle No. A464, page 19.**

CMC HOMES INC., 6306 N. Cicero Ave., Chicago 46, Ill.

Firm **distributes** in 1,500 mi. radius. Has 52 basic plans. **Sells** to builders at **prices** from $2,700 to $5,900 f.o.b. **Delivers** in a few days. Uses regular **financing** methods. Catalog sheets shows wide variety of models, floor plans. Lab report on roof panels comes under separate cover. **Circle No. A465, page 19.**

GOLD STAR HOMES, INC., Rome, Ill.

Firm **distributes** in 400 mi. radius. Has 75 basic plans. **Sells** through dealers or to builders at **prices** from $2,700 to $10,000 f.o.b. **Delivers** in ten days. Offers own **financing** plan. Thick **catalog** gives color drawings, floor plans, picture story of house erection. **Circle No. A466, page 19.**

THURO BILT HOMES, THURO BILT PRODS INC., Fairbury, Ill.

Firm **distributes** in 350 mi. radius, has 25 basic plans. **Sells** through dealers or to builders at **prices** from $1,900 to $8,700 f.o.b. **Delivers** in 10 to 14 days. Offers own **financing** plan. **Catalog** describes material specifications of package, gives drawings, floor plans, sketches of models. **Circle No. A467, page 19.**

INDIANA

ALLEN INDUSTRIES, INC., Bldg. 107 Baer Field, Fort Wayne, Ind.

Firm **distributes** in four states. Has 15 basic plans. **Sells** to builders at **prices** from $2,306 to $5,400 f.o.b. **Delivers** in seven days. Helps arrange **financing** through brokers, insurance firms. **Catalog** describes package of aluminum windows, screens and storm sash installed. Exterior doors and stormdoors are installed, with insulating sheathing applied. **Circle No. A468, page 19.**

BROOKS HOMES CORP., Chandler, Ind.

Firm **distributes** in 200 mi. radius, has 75 basic plans. **Sells** through builders at **prices** from $2,700 to $9,500 f.o.b. **Delivers** in two weeks. **Literature** describes package as completely framed, wiring roughed in, and dry wall factory applied. **Circle No. A469, page 19.**

COLPAERT HOMES, INC., 445 N. Sheridan, South Bend 19, Ind.

Firm **distributes** in 150 mi. radius. Has 13 basic plans. **Sells** through franchised builders at **prices** from $2,440 to $3,545 f.o.b. Delivers in two weeks. Offers own **financing** plan. **Catalog** describes package which is combination of panelized wall sections, gives floor plans, elevations. **Circle No. A470, page 19.**

GENERAL HOMES, DIVISION OF GENERAL INDUSTRIES, INC., 3033 Wayne Terrace, Fort Wayne, Ind.

Firm **distributes** in 450 mi. radius. Has eight basic plans. **Sells** through dealers at **prices** from $4,350 to $5,240 f.o.b. **Delivers** in 14 days. Offers own **financing** plan. **Literature** describes package of stressed skin construction as totally prefabricated, gives variety of styles and elevations. **Circle No. A471 on page 19.**

NATIONAL HOMES CORP., Lafayette, Ind.

Firm **distributes** nationally, has 186 basic plans. **Sells** through builder-dealers at **prices** from $2,750 up, f.o.b. **Delivers** after 11 days for processing order. Offers own **financing** plan. **Literature** describes basic package of exterior and interior panels, roof trusses, gable ends and other primary components. **Circle No. A472 on page 19.**

NEW CENTURY HOMES, INC., P.O. Box 825, Lafayette, Ind.

Firm **distributes** in seven states, and has seven basic plans. **Sells** through dealers at **prices** from $2,500 to $4,500 f.o.b. **Delivers** 10 days after order. Offers conventional **financing** methods. **Catalog** shows models in color, floor plans, design variations. Sheet describes parts of house package. **Circle No. A473, page 19.**

PLACE HOMES, INC., 1212 S. Walnut St., South Bend, Ind.

Firm **distributes** in nine states, has six basic plans. **Sells** to franchised builders at **prices** from $2,795 to $3,495 f.o.b. Offers own **financing** plan. **Literature** describes newest package featuring large family room, two storage rooms and full overhead storage. **Circle No. A474 on page 19.**

Use the reply card on page 19

PRECISION HOMES, DIVISION OF ACME BUILDING MATERIALS, INC., 5235 Winthrop Ave., Indianapolis, Ind.

Firm **distributes** in five states. Has 14 different plans. **Sells** to builder-dealers at **prices** from $2,599 up, f.o.b. **Delivers** in three to eight days. Regular methods of **financing**. **Literature** elaborates on package with precut floor framing, panelized walls, partitions, gables, siding. **Circle No. A475, page 19.**

RICHMOND HOMES, INC., Sheridan & N.W. L St., Richmond, Ind.

Firm **distributes** in 250 mi. radius. Has 26 basic plans. **Sells** through dealers at **prices** from $2,780 to $4,715 f.o.b. **Delivers** in one or two weeks. Offers own **financing** plan. **Literature** features 14 design variations, in color, of latest model, floor plans, outlines of storage wall units. **Circle No. A476 on page 19.**

UNITED STATES STEEL HOMES DIVISION, Charlestown Rd., New Albany, Ind.

Firm **distributes** east of Omaha, north of Mason-Dixon line. **Sells** through dealers at **prices** from $2,600 up, f.o.b. **Delivers** "immediately." Offers own **financing** plan. **Literature** elaborates on package that includes all components in house. **Circle No. A477, page 19.**

IOWA

KOZY MFG. CO., Exira, Iowa

Firm **distributes** in 450 mi. radius. Has 45 basic plans. **Sells** through dealers or to builders at **prices** from $3,000 to $15,000 f.o.b. **Delivers** in two weeks. Offers **financing** source. **Literature** is available. House package consists of exterior walls in sections, insulation sheathing applied, trussed rafters on gabled hip roofs. **No. A478 on page 19.**

KANSAS

WADSWORTH HOMES INC., 2949 Chrysler Rd., Kansas City 15, Kan.

Firm **distributes** in 500 mi. radius. Has 24 basic plans. **Sells** to builders at **prices** from $2,000 to $8,000 f.o.b. **Delivers** in ten days. Uses regular **financing** methods **Catalog** sheets show drawings, floor plans of various models. Package consists of exterior sections made up with either plywood or insulation board boxing. **Circle No. A479 on page 19.**

LOUISIANA

CRAWFORD CORPORATION, P.O. Drawer 2551, Baton Rouge, La.

Firm **distributes** in South and Southeast. Has 27 basic plans. **Sells** to builder-dealers at **prices** from $1,999 to $9,395 f.o.b. **Delivers** in ten days. Offers own **financing** plan. **Literature** covers housing package which is complete except for plumbing, wiring. **No. A480, page 19.**

MAINE

MORGAN C. ELMER, INC., Rockland, Me.

Firm **distributes** in 500 mi. radius. Has custom fabrication to any plan. **Sells** through dealers and to builders at **prices** from $2,000 to $7,000, f.o.b. **Delivers** in two weeks. **Literature** is available on package containing complete exterior, except roof shingles, and interior studded panels only. **No. A481, page 19.**

MARYLAND

DIXIE HOMES, Rt. 1, Box 339-A, Upper Marlboro, Md.

Firm **distributes** in 300 mi. radius. Has 14 basic plans. **Sells** through dealers or to builders at **prices** from $2,400 to $5,500 f.o.b. **Delivers** 20 days from receipt of order. Uses regular **financing** methods. **Literature** consists of folders on models, with floor plans. **No. A482, p. 19.**

GOLDEN KEY HOMES INC., Howard County, Annapolis Junction, Md.

Firm **distributes** in 350 mi. radius. Has 12 basic plans. Sells at **prices** from $2,000 to $10,000 f.o.b. **Delivers** in two to three weeks. Uses regular **financing** channels.

MARYLAND HOUSING CORP., 5715 Southwestern Blvd., Baltimore 27, Md.

Firm **distributes** in 150 mi. radius. Has eight basic plans. **Sells** to builders at **prices** from $2,500 to $5,500 f.o.b. **Delivers** in ten to 30 days. Uses regular **financing**. **Catalog** gives floor plans, drawings, a look at all models. Basic package consists of pre-cut floor assembly, sheathed exterior panels, roof trusses, etc. **Circle No. A483, p. 19**

PRECISION QUALITY BUILT HOMES, INC., Milford Mill Rd. & W. Md. RR, Baltimore, Md.

Firm **distributes** in 200 mi. radius. Has 100 basic plans. **Sells** through dealers or to builders at **prices** from $2,175 to $8,750 f.o.b. **Delivers** in about three weeks. Uses regular **financing** methods. **Catalog** sheets, punched for a looseleaf, give floor plans, drawings, elevations, features of each model. **No. A484, page 19.**

MASSACHUSETTS

ASSEMBLED HOMES, INC., 40 Holton St., Winchester, Mass.

Firm **distributes** in seven states. Has 15 basic plans. **Sells** through dealers and to builders at **prices** from $3,500 to $5,500. **Delivers** in three to six weeks. Offers own **financing** plan. **Literature** illustrates nine models, gives floor plans. Wall panels, gable ends, interior partitions are pre-assembled. **Circle No. A485, page 19.**

FRANKLIN HOMES, INC., 65 Dean St., Franklin, Mass.

Firm **distributes** in New England states. Has 25 basic plans. **Sells** through dealers or to builders at **prices** from $1,800 to $7,000 up, f.o.b. **Delivers** in three weeks. Bank does **financing**. **Literature** is available on package that consists of pre-cut joists and sub flooring, roof trusses, gables and interior partitions, etc. **Circle No. A486 on page 19.**

HODGSON HOUSES, INC., Dover, Mass.

Firm **distributes** in 350 mi. radius. Has 26 basic plans. **Sells** to builders or through dealers at **prices** from $3,000 to $9,000 f.o.b. **Delivers** in two weeks. **Financing** is done through bank assignment. **Catalog** contains sheets which illustrate design variations of model, give floor plans and check list of optional items. **Circle No. A487 on page 19.**

PRE-BILT CONSTRUCTION CO., INC., 585 State Rd., Rt. 6, N. Dartmouth, Mass.

Firm **distributes** in 200 mi. radius, has 30 basic plans. **Sells** through dealers at **prices** from $2,500 to $10,000 f.o.b. **Delivers** in 45 days. **Literature** is available on package which consists of room-size exterior panels complete with siding. **Circle No. A488 on page 19.**

TECHBUILT, INC., 127 Mt. Auburn St., Cambridge, Mass

Firm **distributes** east of Mississippi. Has 19 basic plans. **Sells** through dealers or to builders at **prices** from $1,980 to $11,425 f.o.b. **Delivers** in three weeks. Uses regular **financing** methods. **Literature** describes package that includes exterior walls, roofs, floors, laminated beams, aluminum windows, prehung doors. **Circle No. A489, page 19.**

MICHIGAN

ALADDIN COMPANY, 212 Davidson Bldg., Bay City, Mich.

Firm **distributes** nationally, has 115 basic plans. **Sells** to individuals at **prices** from $3,000 to $8,000 f.o.b. **Delivers** in ten days. **Catalog** describes package that features everything from foundation up, except plumbing, heating, lighting. Color drawings, floor plans, a look at many models. **No. A490, p. 19.**

LIBERTY READY-CUT HOMES, 1012 Lafayette Ave., Bay City, Mich.

Firm **distributes** nationally, including Alaska. **Sells** to builders at **prices** from $3,000 up, f.o.b. **Delivers** in 10 to 12 days. Uses local **financing**. **Catalogs** describe package of ready-cut materials, exclusive of masonry, heating, lighting, plumbing. **Circle No. A491, p. 19.**

LYTLE MODERN HOMES, INC., 7742 Greenfield, Dearborn, Mich.

Firm **distributes** in 300 mi. radius. Has ten basic plans. **Sells** to builders at **prices** from $2,200 to $4,500 f.o.b. **Delivers** in two weeks. Assists in obtaining **financing**. **Catalog** sheets show models in color, floor plans, special features. Basic package consists of prefab wall panels, with siding, insulation and windows installed. **Circle No. A492, p. 19.**

MANUFACTURED HOMES INC., 330 S. Kalamazoo Ave., Marshall, Mich.

Firm **distributes** in 500 mile radius. Has 70 basic plans. **Sells** through dealers or to builders at **prices** from $1,200 to $10,000 f.o.b. **Delivers** in seven days. Offers own **financing** plan. **Catalog** shows some of the models available. Firm also sells modular panels separately. **Circle No. A493, p. 19.**

MICHIGAN LUMBER FABRICATORS, INC., 613 Fisher Bldg., Detroit, Mich.

Firm **distributes** in Michigan. Has 48 basic plans. **Sells** to builders at $10,000 price, f.o.b. **Delivers** in 30 days. Offers own **financing** plan. **Literature** describes package which is complete except for electrical and rough plumbing. **Circle No. A494 on page 19.**

SEMICO INC., Box 8, Seney, Mich.

Firm **distributes** in 450 mi. radius. Has 54 basic plans. **Sells** to builders at **prices** from $2,400 to $8,300 f.o.b. **Delivers** in ten days. Offers own **financing** plan. **Catalog** describes package, gives floor plans, construction details. **Circle No. A495, p. 19.**

SERVICE HOME MFG. CO., 395 54th St., S.W., Grand Rapids 8, Mich.

Firm **distributes** in two states. Has 30 basic plans. **Sells** through builder-dealers at **prices** from $2,000 to $15,000 f.o.b. **Delivers** in ten days. Offers own **financing** plan. **Catalog** includes many sheets giving drawings and floor plans. **Circle No. A496, p. 19.**

UNIVERSAL HOMES, INC., 271 First St., Milan, Mich.

Firm **distributes** in six states, has ten basic plans. **Sells** through dealers or to builders at **prices** from $3,500 up, f.o.b. **Delivers** in two weeks. **Catalog** gives

specifications and prices of basic package. Also features floor plans, drawings, variety of models. **Circle No. A497 on page 19**

MINNESOTA

NORTHERN HOMES MFG. CO., 6200 Wayzata Blvd., Minneapolis 16, Minn.

Firm **distributes** in 500 mi. radius. Has 30 basic plans. **Sells** to builders at **prices** from $2,500 to $5,000 f.o.b. **Delivers** in five days.

PACKAGE HOMES, INC., 3-Sixth Ave. South, Hopkins, Minn.

Firm **distributes** in 500 mi. radius. Has 97 basic plans. **Sells** to builders at **prices** from $3,450 to $6,800 f.o.b. **Delivers** in two weeks. Offers own **financing** plan. **Literature** describes package as a complete pre-cut operation. **Circle No. A498 on page 19.**

PAGE & HILL HOMES, INC., Albert Lea, Minn.

Firm **distributes** in 14 states. Has 50 basic plans. **Sells** through dealers or to builders at **prices** from $1,800 to $9,500 f.o.b. (Free delivery up to 200 mi.) **Delivers** in 14 days. Offers own **financing** plan. **Catalog** shows many models, floor plans, variations, outstanding features. **No. A499, p. 19.**

MISSOURI

HOME BUILDING CORPORATION, 303 N. Park Ave., Sedalia, Mo.

Firm **distributes** in 500 mi. radius. Has ten basic plans. **Sells** through dealers or to builders at **prices** from $5,000 to $10,000 f.o.b. **Delivers** in 15 to 45 days. **Catalog** gives floor plans, drawings, photos of finished interiors and optional extras. Firm also does all plumbing, heating, wiring above foundation. **Circle No. A500 on page 19.**

MODULAR HOMES, INC., Rt. 13, Kirkwood 22, Mo.

Firm **distributes** in 600 mi. radius. Has "unlimited" number of basic plans. **Sells** through dealers or to builders at **prices** from $4,700 to $16,000 f.o.b. **Delivers** in seven to 10 days. Uses regular **financing** methods. **Catalog** features photos of interiors and exteriors, drawings, floor plans. **Circle No. A501, p. 19.**

STANDARD HOMES CO., 4400 Roe Blvd., Kansas City 3, Mo.

Firm **distributes** in 500 mi. radius. Has 12 basic plans. **Sells** to builders at **prices** from $3,000 to $8,000 f.o.b. **Delivers** in 10 to 14 days. Uses regular **financing** methods. **Catalog** contains drawings, floor plans, photos of models. Complete specifications. **No. A502, p. 19.**

WILSON HOMES, INC., Box 6206, Lambert Field, Mo.

Firm **distributes** in 400 mi. radius. Has ten basic plans. **Sells** through builder-dealers at **prices** from $8,000 to $30,000 f.o.b. **Delivers** in 15 days. Offers construction **financing** plan. **Catalog** details specifications of package, all models, floor plans. **Circle No. A503, p. 19.**

MONTANA

NATIONAL LOG CONSTRUCTION CO OF MONTANA, Box 68, Thompson Falls, Mont.

Firm **distributes** nationally, has 50 basic plans. **Sells** through builder-dealers at **prices** from $900 to $17,000 f.o.b. **Delivers** in ten days. Uses regular **financing** methods. **Catalog** shows many models, floor plans, elevations. Describes package as one that can be pre-cut to fit almost any plan. **No. A504, p. 19.**

NEBRASKA

PERMCO MFG. COMPANY, Peru, Neb.

Firm **distributes** in 500 mi. radius, has 24 basic plans. **Sells** through dealers at **prices** from $5,000 to $7,500 f.o.b. **Delivers** in three weeks. Uses regular **financing** methods. Package consists of pre-cut joists and sub-floor; average room-size wall panels; roof sheathing in plywood.

NEW JERSEY

PRESIDENTIAL HOMES, INC., Pemberton, N.J.

Firm **distributes** in 400 mi. radius. Has 150 basic plans. **Sells** through dealers or to builders at average **price** of $3,800 f.o.b. **Delivers** in two to three weeks. Uses regular **financing** methods. **Literature** describes package of panelized vertical members, pre-cut horizontal members. **Circle No. A505 on page 19.**

NEW YORK

ALLEGHANY HOMES CORPORATION, 26 Copeland Ave., Homer, N.Y.

Firm **distributes** in 400 mi. radius. Has 24 basic plans. **Sells** through dealers or to builders at **prices** from $2,100 to $11,000 f.o.b. **Delivers** in 7 to 14 days. Uses regular **financing**. **Literature** describes package of 2x4 stud panels, with insulation, sheathing; roof trusses; complete floor system. **No. A506, p. 19.**

BUSH HOMES, INC., Second St. & Lenox Rd., Huntington Station, L.I., N.Y.

Firm **distributes** in 350 mi. radius. Has 47 basic plans. **Sells** through builder-dealers at **prices** from $1,941 to $12,179 f.o.b. **Delivers** in three weeks. Uses regular **financing** methods. **Catalog** describes package of panelized deck framing, sheathed walls, doors and windows installed. Drawings, floor plans of models. **No. A507, p. 19.**

IVON B. FORD, INC., McDonough, N.Y.

Firm **distributes** in 300 mi. radius. Has 50 basic plans. **Sells** to builders at **prices** from $3,350 to $8,500 f.o.b. **Delivers** in 30 days. Uses regular **financing** methods. **Catalog** gives floor plans, drawings of models. **Circle No. A508 on page 19.**

NORTHERN HOMES, INC., Hudson Falls, N.Y.

Firm **distributes** in New York and New England states. Has 40 basic plans. **Sells** through dealers or to builders at **prices** from $3,000 to $7,000 f.o.b. **Delivers** in two to three weeks. Uses regular **financing** methods. **Catalog** gives wide variety of models, floor plans, drawings, specifications. **No. A509, p. 19.**

OHIO

DUNBAR INDUSTRIES, INC., 3810 Upton Ave., Toledo, Ohio.

Firm **distributes** in 400 mi. radius. Has six basic models. **Sells** to builders at **prices** from $2,935 to $8,275 f.o.b. **Delivers** in 14 days. Offers own **financing** plan. **Literature** describes package of exterior modular wall panels with sheathing, siding, insulation. **Circle No. A510, p. 19.**

EXPAN HOMES, INC., 15411 Chatfield, Cleveland Ohio.

Firm **distributes** in Ohio. Has 12 basic plans. **Sells** through dealers or to builders at **prices** from $2,600 to $5,200 f.o.b. **Delivers** in ten days. **Catalog** presents floor plans, drawings of many models in compact form. Check list included. **Circle No. A511, p. 19.**

INLAND HOMES CORP., Box 915, Piqua, Ohio.

Firm **distributes** in 24 states. Has 48 basic plans. **Sells** through dealers at **prices** from $1,700 to $4,000 f.o.b. **Delivers** in seven days. Offers own **financing** plan. **Catalog** describes package, gives color drawings of many models, drawings, specifications. **No. A512, p. 19.**

METROPOLITAN HOMES, INC., 721 W. Columbia St., Springfield, Ohio.

Firm **distributes** in four states. Has eight basic plans. **Sells** to builders at **prices** from $2,500 to $6,500 f.o.b. Uses conventional **financing** methods. **Literature** describes package of full wall panels, insulating sheathing or stressed skin panels. **Circle No. A513 on page 19.**

MIDWEST HOUSES, INC., P.O. Box 334, Mansfield, Ohio.

Firm **distributes** in three states. Has 12 basic plans. **Sells** to builders at **prices** from $2,800 to $9,200 f.o.b. **Delivers** in two weeks. Offers own **financing** plan. **Catalog** describes package of complete carpentry material, rough and finish; gives floor plans, drawings, a look at all models. **No. A514 on page 19.**

PEASE WOODWORK CO. INC., 900 Forest Ave., Hamilton, Ohio.

Firm **distributes** in 400 mi. radius. Has 10 basic plans. **Sells** through dealers or to builders at **prices** from $3,000 to $10,000 f.o.b. **Delivers** in two weeks. Offers own **financing** plan. **Catalog** describes package of factory-assembled component wall panels, trusses, door and window units. **No. A515, p. 19.**

SCHOLZ HOMES, INC., 2001 N. Westwood, Toledo, Ohio.

Firm **distributes** nationally, has 100 basic plans. **Sells** through dealers or to builders at **prices** from $3,000 to $15,000 f.o.b. **Delivers** in two to three weeks. Uses regular **financing** methods. **Literature** elaborates on package of exterior and interior panels, roofing structure, windows. **Circle No. A516 on page 19.**

THE PANA HOUSE, 3716 W. 143rd St., Cleveland 11, Ohio.

Firm **distributes** in 300 mi. radius. Has 20 basic plans. **Sells** through dealers at **prices** from $2,300 to $7,200 f.o.b. **Delivers** in ten days. Offers own **financing** plan. **Catalog** gives drawings, floor plans, a look at many models, specifications. **Circle No. A517 on page 19.**

THYER MFG. CORP., 2857 Wayne St., Toledo, Ohio.

Firm **distributes** in three states. Has 22 basic plans. **Sells** to builders at **prices** from $2,500 to $6,000 f.o.b. **Delivers** in seven days. Offers own **financing** plan. **Literature** stresses designs that accept almost any skins. **No. A518, p. 19.**

WEAKLEY MANUFACTURING CO., South 26th & Buckeye, Newark, Ohio.

Firm **distributes** in four states. Has 12 basic plans. **Sells** through dealers or to builders at **prices** from $2,300 to $10,000 f.o.b. **Delivers** in three weeks. **Literature** describes package as fully fabricated, with exterior siding complete and primed, interior wall board primed. **Circle No. A519 on page 19.**

Use the reply card on page 19

OKLAHOMA

SOUTHERN MILL HOMES CO., P.O. Box 1087, Tulsa, Okla.

Firm **distributes** in 300 mi. radius. Has 16 basic plans. **Sells** through dealers or to builders at **prices** from $3,600 to $8,900 f.o.b. **Delivers** in two weeks. Uses regular **financing**. **Catalog** shows designs, floor plans, drawings of models, gives a look at many houses. **No. A520, p. 19.**

PENNSYLVANIA

ADMIRAL HOMES, INC., 149 Water St., West Newton, Pa.

Firm **distributes** in 300 mi. radius. Has 26 basic plans. **Sells** through dealers or to builders at **prices** from $3,000 to $7,800 f.o.b. **Delivers** in two weeks. Uses regular **financing** methods. **Catalog** presents floor plans, drawings, sizes of many models, describes methods of building. **No. A521, p. 19.**

COTTMAN PLANNED HOMES, 820 Cottman St., Philadelphia, Pa.

Firm **distributes** in 300 mi. radius. Has 31 basic plans. **Sells** through dealers or to builders at **prices** from $2,200 to $12,000 f.o.b. **Delivers** in two weeks. Uses regular **financing** methods. **Catalog** gives sizes, floor plans of many models. Also features specifications for interiors. **Circle No. A522 on page 19.**

CRESTWOOD HOMES CO., P.O. Box 311, Greenville, Pa.

Firm **distributes** in 150 mi. radius. Has 14 basic plans. **Sells** through dealers or to builders at **prices** from $3,500 to $10,000 f.o.b. **Delivers** in two weeks or less. Offers own **financing** plan. **Catalog** features color photos of models, pictures of interiors, floor plans, drawings, construction methods. For more information: **Circle No. A523, p. 19.**

FRANKLIN THRIFT HOMES, INC., P.O. Box 631, State College, Pa.

Firm **distributes** nationally, has 69 basic plans. **Sells** through dealers or to builders at **prices** from $1,600 to $15,000 f.o.b. **Delivers** in 15 days. Offers own **financing** plan. **Catalog** gives floor plans for 10' wide mobile models, lists optionals, specifications. **Circle No. A524, p. 19.**

IRON CITY SASH & DOOR CO., Mansfield Ave., Pittsburgh 5, Pa.

Firm **distributes** in 300 mi. radius. **Sells** through dealers at **prices** from $9,900 to $27,500 f.o.b. **Delivers** in two to three weeks. Uses regular **financing** methods. **Catalog** gives color drawings and floor plans of models, plus sketches of millwork used for interiors. **Circle No. A525 on page 19.**

NORTHERN HOMES OF PA., INC., Fifth Ave., Chambersburg, Pa.

Firm **distributes** in 500 mi. radius. Has 50 basic plans. **Sells** through dealers or to builders at **prices** from $1,500 to $10,000 f.o.b. **Delivers** in 10 to 14 days. **Catalog** gives floor plans, color sketches, photos of models, describes package, specifications. **No. A526, p. 19.**

SWIFT HOMES, INC., 1 Chicago Ave., Elizabeth, Pa.

Firm **distributes** in 450 mi. radius. Has 80 basic plans. **Sells** through dealers at **prices** from $1,675 to $4,995 f.o.b. **Delivers** in one day. Offers own **financing** plan. **Literature** describes package of exterior materials, subfloor and interior partitions, roof, windows, doors. **Circle No. A527 on page 19.**

SOUTH DAKOTA

MIDWESTERN HOMES DIVISION OF BUCKINGHAM WOOD PRODUCTS, INC., 931 E. North St., Rapid City, S.D.

Firm **distributes** in 11 states, including Alaska. Has 50 basic plans. **Sells** through dealers or to builders at **prices** from $3,750 to $10,000 f.o.b. **Delivers** in two weeks. Uses regular **financing** methods. **Catalog** gives floor plans, drawings, roof construction details, a list of specifications. For more information: **Circle No. A528, p. 19.**

TENNESSEE

UNIQUE HOMES, INC., 2915 Eighth Ave., Chattanooga 7, Tenn.

Firm **distributes** in two states. Has 80 basic plans. **Sells** to builders at **prices** from $2,300 to $12,500 f.o.b. **Delivers** in ten days. Uses regular **financing** methods. Package consists of everything for the house except heating, plumbing, electrical.

TEXAS

HOLIDAY HOUSE MANUFACTURERS CORP., P.O. Box 8097, Fort Worth, Tex.

Firm **distributes** in 400 mi. radius. Has 100 basic plans. **Sells** to builders. **Delivers** in ten days.

VIRGINIA

CONTINENTAL HOMES INC., Boone Mills, Va.

Firm **distributes** in 350 mi. radius. **Sells** to builder-dealers. **Prices**: from $4,300 to $14,000 f.o.b. Uses regular **financing** methods. **Delivers** in ten days. **Catalog** gives floor plans, drawings of various models, color photos of houses. **Package** includes everything from termite shield up, except for masonry, caulking, flashing. More information: **Circle No. A529 on page 19.**

WASHINGTON

LOCTWALL CORPORATION, 16530 Hwy. 99, Lynwood, Wash.

Firm **distributes** in eight states. Has 25 basic plans. **Sells** through dealers or to builders at **prices** from $4,000 to $15,000 f.o.b. **Delivers** in 20 days. Uses regular **financing** methods. **Catalog** gives designs, floor plans, drawings of models. Gives description of services. **Circle No. A530, p. 19.**

LOXIDE STRUCTURES, 9004 S 19th St., Tacoma, Wash.

Firm **distributes** to all western states, Alaska, Hawaii. Has 40 basic plans. **Sells** through dealers or to builders at **prices** from $1,140 to $8,990 f.o.b. **Delivers** in two weeks. Uses regular **financing** methods. **Catalog** lists general specifications, shows floor plan and alternate for various models. For more information: **Circle No. A531 on page 19.**

VIRGINIA LEE HOMES, INC., Box 606, Kirkland, Wash.

Firm **distributes** to Northwest, Alaska, Hawaii. Has 200 basic plans. **Sells** through dealers or to builders at **prices** from $1,800 to $6,500 f.o.b. **Delivers** in 10 to 14 days. Uses regular **financing** methods. **Catalog** shows variety of model drawings, floor plans, exterior photos. For complete information contained in catalog: **Circle No. 532 on page 19.**

WEST COAST MILLS, 555 State St., Chehalis, Wash.

Firm **distributes** nationally. Has 115 basic plans. **Sells** through dealers or to builders at **prices** from $2,000 to $4,000 f.o.b. **Delivers** in ten days. **Catalog** details construction system, specifications, drawings and floor plans for many models. For more complete information: **Circle No. A533 on page 19.**

WEST VIRGINIA

SCOTT LUMBER CO., SCOTT HOMES DIVISION, 2313 National Rd., Elm Grove, W. Va.

Firm **distributes** in three states. Has 15 basic plans. **Sells** through dealers or to builders at **prices** from $3,900 to $7,600 f.o.b. **Delivers** in ten days. **Catalog** gives color drawings, floor plans, construction system. **No. A534 on page 19.**

WISCONSIN

MARSHALL ERDMAN & ASSOCIATES, INC., 5117 University Ave., Madison, Wisc.

Firm **distributes** in 400 mi. radius. Has 12 basic plans. **Sells** through dealers or to builders at **prices** from $4,000 to $18,000 f.o.b. **Delivers** in four weeks. Uses regular **financing** methods. **Literature** describes complete package which includes floor package if desired. **Circle No. A535 on page 19.**

GREAT LAKES HOMES, INC., Box D, Sheboygan Falls, Wisc.

Firm **distributes** in 300 mi. radius. Has 76 basic plans. **Sells** through dealers at **prices** from $2,795 to $9,566 f.o.b. **Delivers** in two weeks. Uses regular **financing** methods. **Catalog** shows models, floor plans, give outstanding features of homes. **Circle No. A536 on page 19.**

HARNISCHFEGER HOMES, INC., 500 N. Spring St., Port Washington, Wisc.

Firm **distributes** in 500 mi. radius. Has 64 basic plans. **Sells** through dealers or to builders. Offers own **financing** plan. **Catalog** offers floor plans, photos. **Circle No. A537, p. 19.**

UNIT STRUCTURES, INC., 477 Peck Ave., S., Peshtigo, Wisc.

Firm **distributes** in 300 mi. radius. Has 15 basic plans. **Sells** to builders at **prices** from $3,000 to $15,000 f.o.b. **Delivers** in ten days. Uses regular **financing** methods. Package consists of exterior wall sections complete with sheathing, insulation, windows, doors, siding and exterior trim applied. For more information: **Circle No. A538 on page 19.**

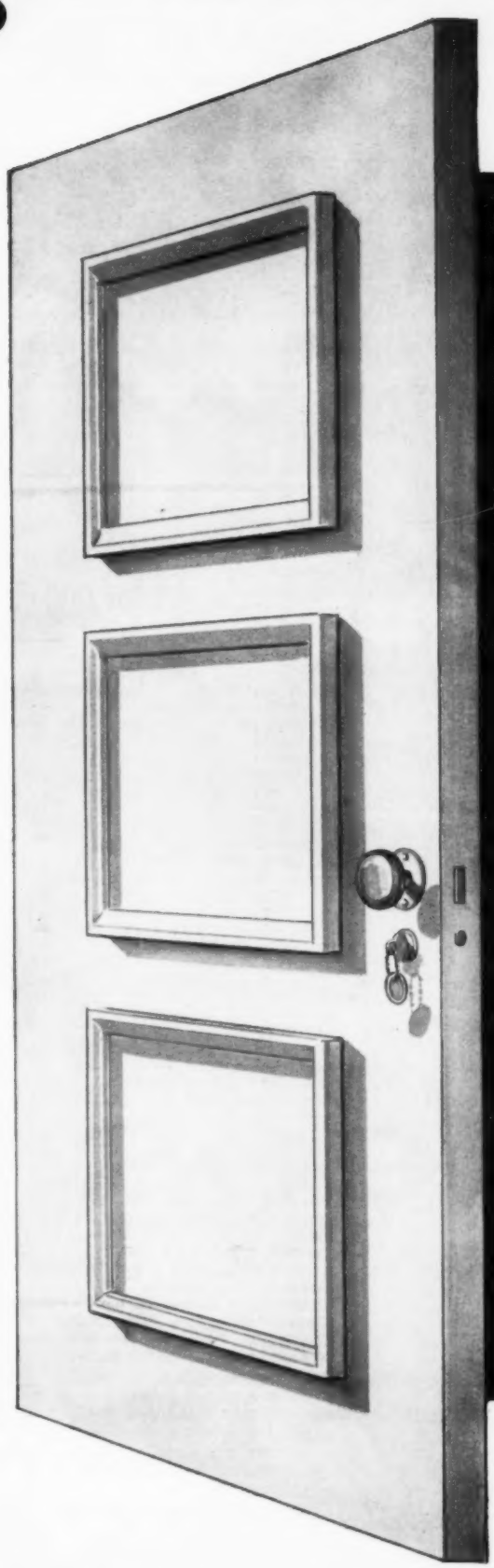
CANADA

COLONIAL HOMES LTD., 6 Malley Rd., Scarboro, Ontario, Canada.

Firm **distributes** in Ontario, along the East coast. Has 55 basic plans. **Sells** through dealers or to builders at **prices** from $1,800 to $10,000 f.o.b. **Delivers** in ten days. Offers own **financing** plan. **Catalog** includes price list, specification sheets, gives color drawings, floor plans. **Circle No. A539 on page 19.**

HALLIDAY CO., LTD., 551 Maple Ave., Burlington, Ontario, Canada.

Firm **distributes** in 250 mi. radius. Has 45 basic plans. **Sells** through dealers or to builders at **prices** from $3,500 to $8,000 f.o.b. **Delivers** in three weeks. Uses regular **financing** methods. **Catalog** gives floor plans, color drawings, elevations. **Circle No. A540 on page 19.**



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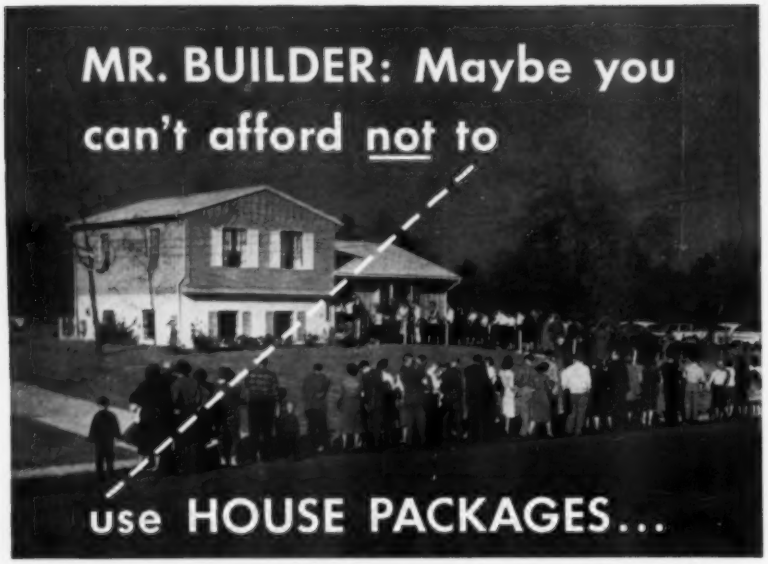

*Recent scene in Atlanta of opening of a new subdivision using house packages.

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Every year, more and so-called "conventional" builders turn to the use of component parts, prefabrication and complete house packages. Last year more than 130,000 house packages alone were sold! Why the upsurge in building with parts instead of pieces? The answer: builders can make more money, faster, easier, with fewer headaches. Just how, and how much, depends on how you operate today as a builder. If you'll take just 100 seconds and jot down the answers to the questions below, home manufacturing experts can tell in less than a minute if you can profit by switching to house packages.

YES	NO	
☐	☐	I keep a skilled architect on my staff who produces fast-selling designs.
☐	☐	We build homes in the FHA-VA market and sometimes run into plan or engineering objections from local VA and FHA officials.
☐	☐	There is a shortage of mortgage funds in my city.
☐	☐	As president of my company, I have plenty of time to handle estimating, scheduling, merchandising, financing, engineering and still attend all necessary local, state and national home builder association meetings.
☐	☐	Under my present construction system we can build all winter long.
☐	☐	Under my present construction system we can erect a home in one day.

Now tear out just the test portion of this page and mail it—with your name, title, company and address—to:
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HOME MANUFACTURERS hma ASSOCIATION

BRAND NAMES DIRECTORY

(Continued from page 112)

KEWANEE Lake Shore Inc
K 5 X Rutland Fire Clay Co
KEYBEAD Keystone Steel & Wire Co
KEYCORNER Keystone Steel & Wire Co
KEYDOR Dina-Pak Corp
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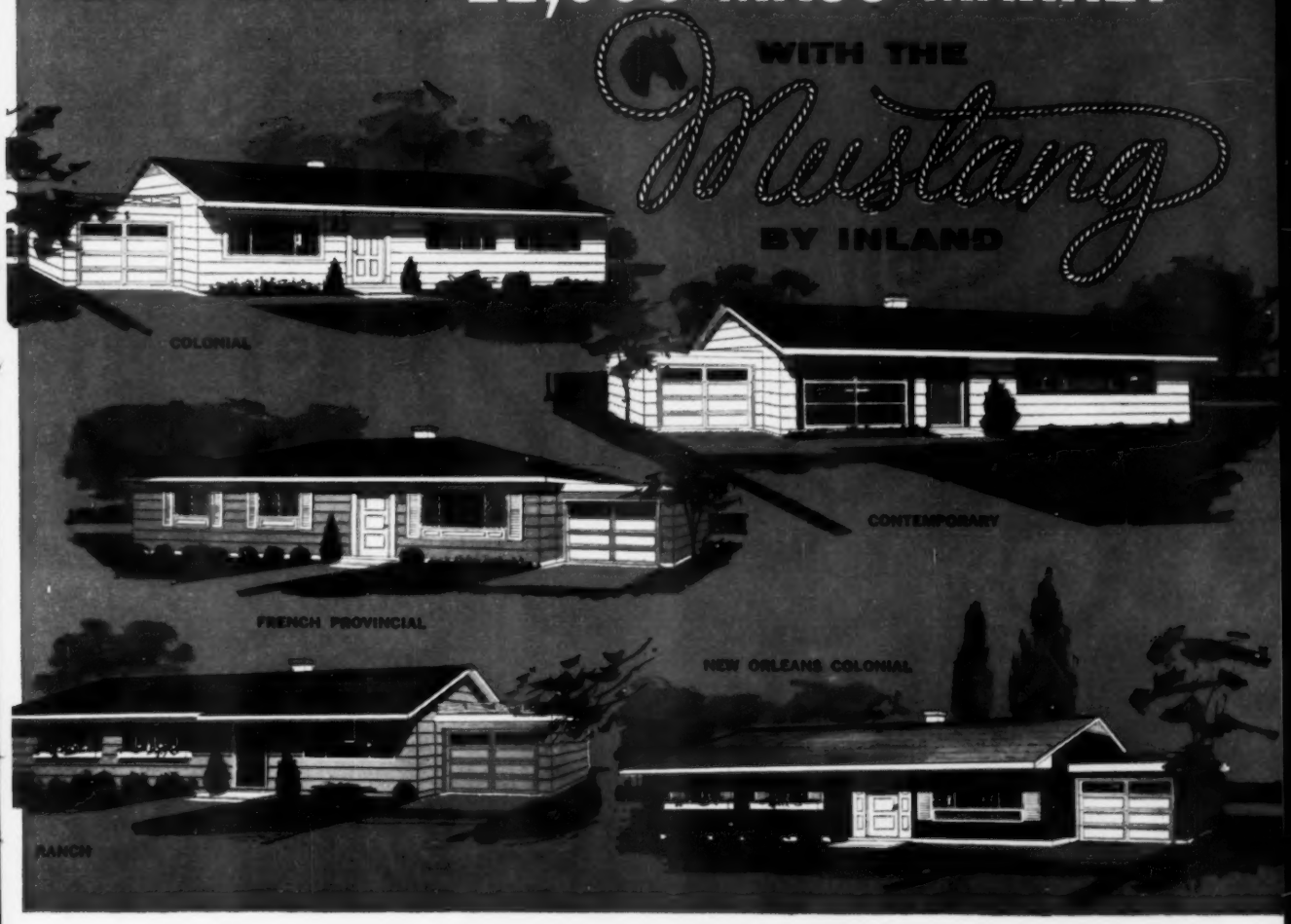
KEYMESH Keystone Steel & Wire Co
KEYNOTE Edwards Co Inc
KEYSTONE Keystone-Standard Wire Cloth Co
KEYSTONE Revere Copper & Brass Inc
KEYSTONE Seneca Wire & Mfg Co
KEYSTONE (Bolts) Diamond Expansion
KEYWALL Keystone Steel & Wire Co
KEYWELD Keystone Steel & Wire Co
KILNOISE Tiger Brands Div Basic Inc
KIMAX Owens-Illinois
KIMWOOD DOOR Hardwood Prods Corp
KING SHILL Kingston Mills Inc
KING-SIZE Logan Clay Prods Co
KINGS FAIRWAY Kingston Mills Inc
KINGSHURST Kingston Mills Inc
KINGS PLUSH Kingston Mills Inc
KINGSQUEEN Kingston Mills Inc
KINGSTREND Kingston Mills Inc
KINTRIM Kinkead Industries Inc
KIRK TAX KALCULATOR Kirk Plastics
KITCHENAID Hobart Mfg Co
KITCHEN-AIRE Stewart Industries Inc
KITCHEN MAID Kitchen Maid Corp
KITCH N-HANDY Washington Steel Prds
KITCH-N-VENTOR Universal Blower Co
KLEARTONE Standard-Toch Chem Inc
KLEEN-AIRE Hudson H D Mfg Co
KLEENEDGE Sunbeam Plastics Corp
KLEENOLENE Thomas Moulding Floor
KLEFTONE Johns-Manville Corp
KLIPBILT Frick-Gallagher Mfg Co Inc
K-LITE Kessler Products Co
KLIP-LOK Globe Roofing Prods Co Inc
KLIP-TIP Rutland Fire Clay Co
KNIGHT Barland Weatherstrip Material
KNO-DRAFT Connor Engineering Corp
KNOX-OUT Pennsalt Chemicals Corp
KOKOMO KORNERS Bugher Mfg Co
KOL-MASTER Kol-Master Corp
KOLOR-BRITE Martin-Senour Co
KOLORPINS Independent Nail & Packing Co
KOMUL Selby Battersby & Co
KONSEAL Sullivan Co
KONSET Sullivan Co
KONTITE Sullivan Co
KOOLVENT Koolvent Metal Awning
KOOLSHADE Reflectal Sub Borg Warner
KORALUM Lyf-Alum Inc
KORD Sterling Quality Products Inc
KORDITE Kordite Corp
KORDUCT Johns-Manville Corp
KORINA United States Plywood Corp
KORKER Mobile Paint Mfg Co
KORKER U S Expansion Bolt Co
KORK-PAK Servicised Prods Corp
KORNER KING R C S Tool Corp
KOROSEAL Goodrich B F Co
KORPAK Dunn W E Co
KOSMORTAR Kosmos Portland Cement
KOSMOS Kosmos Portland Cement Co
KOVELOCK Parker S Hdwe Mfg Corp
KOVEN VENKO Waterfilm Boilers
KOVEN Koven L O & Bro Inc
KOVERFLOOR Standard-Toch Chem Inc
KOVERLUM U S Aluminum Siding Corp
KOVERSTONE U S Aluminum Siding
KOVERTEX U S Aluminum Siding Corp
KRAK-TITE Sterling Quality Prods Inc
KRETE-KUT Bay State Abrasive Prods
KUROKROME Master Builders Co

(Continued on page 120)

Sell in the $11,000 MASS MARKET



PACKAGE PRICE

$2691

(less quantity discounts)

includes

- Attached Garage.
- 12 Colonial, Contemporary, French Provincial, Ranch and New Orleans Colonial designs.
- Birch wood kitchen cabinets.
- And much more we want to tell you about.

© Inland Homes Corporation 1960

Model home financing furnished. Inland Mortgage Corporation will supply complete construction financing for a Model Home in your subdivision . . . at no cost to Builder-Dealers.

GO MUSTANG IN '60!
GET THE FACTS!

Today! Write, wire or phone (PR 3-7550). Neal B. Welch, Jr., Vice President, Sales, Department A-4, Piqua, Ohio.

INLAND® HOMES

INLAND HOMES CORPORATION
Plants in Piqua, Ohio; Hanover, Pa.; and NOW CLINTON, IOWA

MANUFACTURER OF AMERICA'S FINEST HOMES

Ford HOMES ARE READY FOR DECORATING

24 hours after delivery!

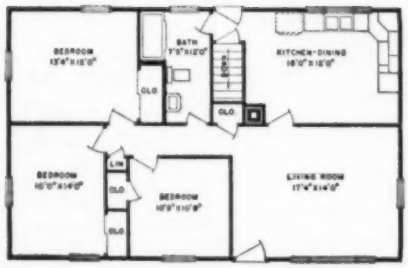
THAT'S RIGHT, BECAUSE . . .

- FORD LAYS THE FINISH FLOORING
- FORD APPLIES THE DRYWALL
- FORD DOES THE WIRING
- FORD APPLIES THE TRIM

Other models available in

MODERN CAPE COD
RANCH
SPLIT LEVEL

For full details, write on your own letterhead to Dept. AB



R-99-C-990 40'x26'

Ford factory-built HOMES

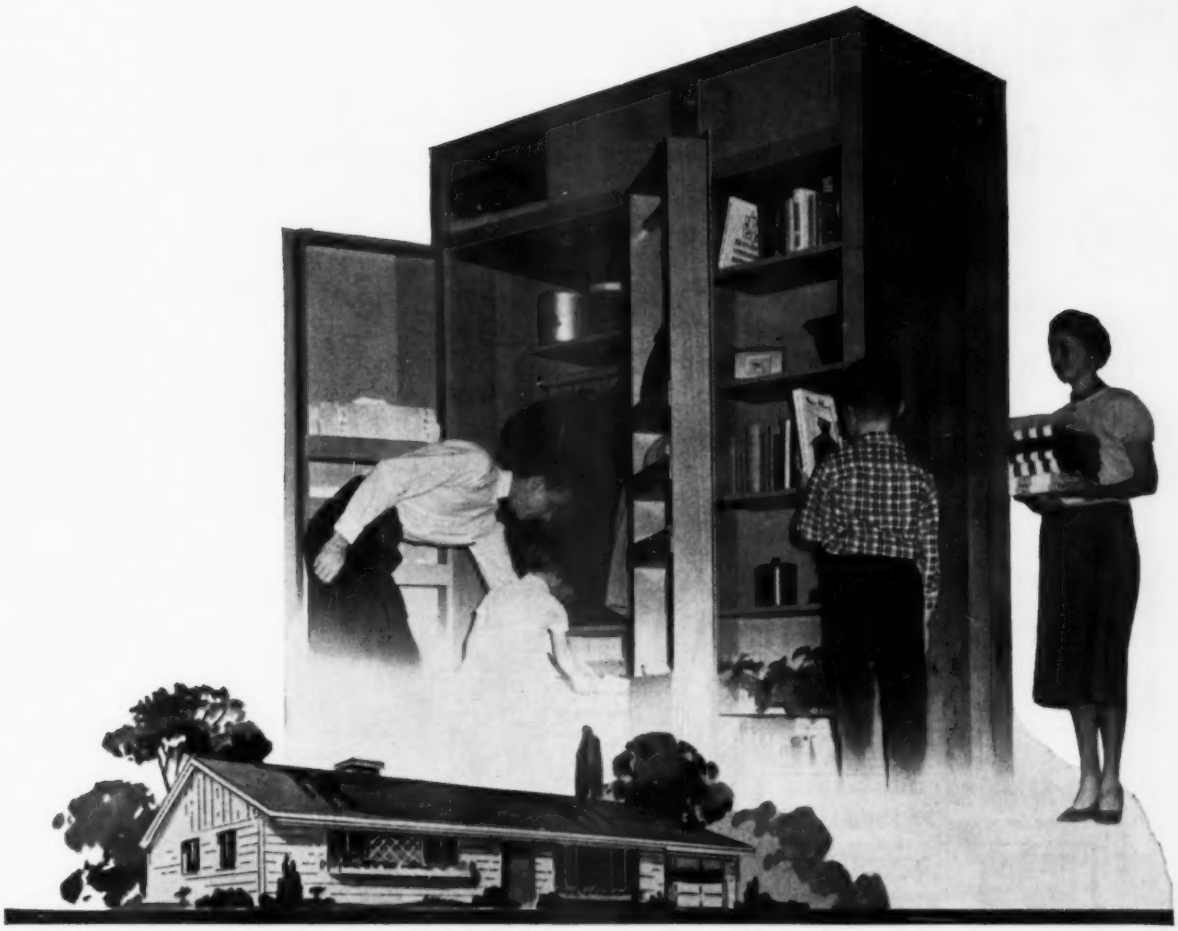
Manufactured by IVON R. FORD, INC., McDonough, N. Y.

BRAND NAMES DIRECTORY

(Continued from page 118)

KUSHIONED Extension Drawer Support
KUTZIT Savogran Co
K-VENIENCE Knape & Vogt Mfg Co
KWENCH-KOTE American Asbestos Prd
KWIKCHANGE Leviton Mfg Co Inc
KWIKEEZE Savogran Co
KWIK-WAY Hart & Cooley Mfg Co
KWIK-ROC Horn A C Companies
KWIKSET Kwikset Div Am Hdwe Corp
KWIK-WAY Hart & Cooley Mfg Co
KYANIZE Kyanize Paints Inc
L K General Air Conditioning Corp
L & H Lindemann A J & Hoverson Co
L & H LECTRO-HOST Norris Thermador
LADIES CHOICE Yoder Mfg Co
LADSCAF Universal Mfg Corp
LAFAYETTE Irmanton Products Co
LAG-LOCKS Rawplug Co Inc
LAG-SHIELDS Rawplug Co Inc
LAMIDALL Woodall Industries Inc
LAMINART Fabricon Prods
LAMP-LYTER International Register Co
LANCER Copymation Inc
LANDMARK Lennox Industries Inc
LANES 3-TY Lanebro Mfg Co
LANGDON-ACME Millers Falls Co
LANSCO Landers Segal Color Co
LA PERLA Acme Brick Co
LAPIDOLITH Sonneborn L Sons Inc
LARSEN-MIX Larsen Products Corp
LASCOLITE Lynch Asbestos Co
LASCOPIPE Lynch Asbestos Co
LASTIKALK Lastik Paint Inc
LATEX CONCRETE TOPPING Camp Co
LATEX FILL-CRETE Penn Crete Prods
LATEX LIQUID FELT Camp Co Inc
LAUNDROMAT Westinghouse Electric
LAVANETTE Toledo Desk & Fixture Co
LAVAX Pittsburgh Plate Glass Co
LAYKOLD American Bitumuls & Asphlt
LAYRITE Standard Paste & Glue Co Inc
LAYTITE Connor Lumber & Land Co
LEAD-SEAL Deniston Co
L C N L C N Closers Inc
LEADER Burnham Corp Warm Air Div
LEADER Lufkin Rule Co
LEADTEX Revere Copper & Brass Inc
LEATHERITE Insulite Div
LEATHERWOOD Masonite Corp
LEBANEX Cascades Plywood Corp
LEBANEX United States Plywood Corp
LEBANITE Cascades Plywood Corp
LECO LATCH Laboratory Equip Corp
LECTRIC-AIRE Radex Corp
LEDLOCK U S Expansion Bolt
LEKTRIK-AIR Hudson H D Mfg Co
LEKTRIK-SPRAY Hudson H D Mfg Co
LEMCO Croft Metal Products Inc
LENOX American Saw & Mfg Co
LENROC Finger Lakes Stone Co Inc
LESLIE LOUVERS Leslie Welding Co Inc
LESTO Krieg Victor J Inc
LEVELBEST Savogran Co
LEVELEASY Hydrolevel
LEVELEZE Jones & Brown Inc
LEVELER Colson Corp
LEVELITE-LATEX Selby Battersby & Co
LEVELINE Calder Mfg Co
LEVERLIFT Colson Corp
LEV-L-ASTIC Allied Compositions Co
LEV-O-LITE Leviton Mfg Co Inc
LEV-O-LOCK Leviton Mfg Co Inc
LEV-R LATCHES Soss Mfg Co
LEX-CRETE Rutland Fire Clay Co
LEXINGTON Miller Co
LIBERTY Tilley John S Ladders Co Inc
LIDO Carey-McFall Co
LIFE BOND Horner Flooring Co
LIFETIME Atco Aluminum Products
LIFETIME (Cabinets) Mirro Chrome Co

(Continued on page 144)



Only RICHMOND HOMES OFFER THESE FAMOUS KLOSET-WALLS

Read this . . . Planned storage . . . Increased valuation . . . Factory finished mahogany . . . Eliminates closet framing, sheetrock, door, shelving, trim and painting . . . And the ladies love them!

To see these in your nearest model Richmond Home, call Ray Imperial at Richmond 8-1636.

Richmond Homes • inc.

RICHMOND, INDIANA

"a sight better on any site"... that's the theme of the big, new USS Homes 1960 promotion designed to help you sell more Steelstyle Homes this spring. In a big, four-color ad in "The Saturday Evening Post," readers are told they'll find quality housing where they see this sign.

To make this promotion produce sales, USS Homes is providing to all its dealers a complete new Spring Promotion Kit. Here's what it offers: a colorful site sign for use at the job site; newspaper repro art, copy suggestions and radio commercials for "custom-made" advertising campaigns; and a complete "Saturday Evening Post" promotion package consisting of ad mats, a 4-color mailer of the consumer ad, and an eye-catching easel display poster—PLUS everything else needed to make this Spring promotion the best of all USS Homes promotions. To learn how U.S. Steel Homes Dealers can sell more Steelstyle Homes by promoting the theme, "A sight better on any site," *send in the coupon.*

United States Steel Homes
Division of
United States Steel

USS
TRADEMARK

Sales Promotion Manager
United States Steel Homes
525 William Penn Place
Pittsburgh 30, Pennsylvania

Yes, I'd like more information on how to sell USS Steelstyle Homes.

Name _____

Address _____

City _____ **Zone** _____ **State** _____

TECHNICAL DATA SECTION

Site planning 6

Concrete, masonry, tile, brick 7

Framing 8

Roofing, siding, insulation, sheathing 9

Doors, windows 10

Plumbing, water supply 11

Heating, cooling, ventilation 12

Electrical, wiring 13

Floor, wall, ceiling material 14

Millwork, cabinets 15

Hardware, building specialties 16

Appliances 17

Paints, finishes, waterproofing 18

Tools, equipment 19

SITE PLANNING

How to Select a Subdivision Site

6

GENERAL PREPARATIONS:

The site chosen for your houses should first fit the local home market. Determining this market demand, both as to house type and price range, population growth and housing needs, is a basic precaution, particularly if you are buying in an area where land prices are high and your investment will be costly. A good deal of this market information is available from local agencies such as your Chamber of Commerce and Planning Commission, from the FHA and U.S. Bureau of Census. Much of this type of information for specific cities has been summarized by American Builder in its series of research studies, "Markets on the Move."

Once you have decided what and for whom you are building, the choice of acreage is already narrowed down. Cost of the land, amount of grading involved, public utilities available, adjacent land use, zoning ordinances . . . are the next considerations. A careful check of these factors against your original market plan and cost estimate will narrow the choice once again.

It is important to remember, too, that the FHA and other loaning agencies are extremely careful of physical environment when rating a location. To establish the stability of value and desirability of a site FHA considers: protection from adverse influences, such as industry, airports, etc.; freedom from special hazards, such as high speed traffic, fire hazards; adequacy of civic, social and commercial centers; adequacy of transportation; and general appeal.

The check list below can be used to quickly evaluate a potential subdivision site and compare it with the others under consideration. You can tear this one out of the magazine or have it copied into an office form for convenient use. You may also want to add some new check points to it to cover your local problems.

CHECK LIST:

Site .....
Size ..... Acres.....

Location Factors

Direction from city .....
Class of surrounding development:
high .....medium.....low.....
Distance from central business district .....
via .....street
Distance from major employment centers .....
Public Transportation: type .....
good .....fair.....poor.....
Fare to employment and center .....
Travel Time .....
Automobile access:
good .....fair.....poor.....
Travel time to employment and center .....
Type of highway approaches:
good .....fair.....poor.....

Presence of Community Facilities

Existing shopping center or stores:
Size and type .....
Distance .....
New center feasible: yes.....no.....
Size of supporting area .....
Schools:
Elementary .....distance .....
High School .....distance .....
Nursery Schools .....distance .....
Churches:
Number .....
Denominations .....
Distances .....
Recreations: *Name* *Distance*
Parks .....
Playgrounds .....
Other .....
Other facilities such as library, colleges, etc. .....

Environment Factors—Tract—Surrounding Area

Zoning .....
Private Covenants .....
Subdivision Regulations .....
Surrounding development: kind .....
good .....fair.....poor.....
Tract abuts heavily traveled thoroughfare:
Yes ..... No.....
Prevailing wind .....
Industrial smoke: Yes .....No.....
Airports:
Distance .....
Relation to approaches .....
Airparks:
Distance .....
Relation to approaches .....

Site Factors

Raw Land Price .....per acre. Total .....
Public Water Supply Connections: yes.....no.....
Distance and size of nearest main .....
Will require—independent system .....
Individual wells .....
Public Sewer—connections: yes.....no.....
Distance, size and invert of nearest main .....
.....
Will require—independent system .....
Septic tanks .....
Topography: hilly.....level.....rolling.....
Elevation of site:
Highest point.....Lowest point.....Average elevation.....
Estimated amount of land over 8% .....
Elevation with relation to existing streets:
above grade .....below grade.....
Heavy grading needed:
for streets .....for lots.....
Swamp areas .....pockets.....
Type of soil .....
Rock outcrop or depth of soil cap .....
Heavy woods .....scrub.....open.....
Type of development indicated by check list:
Single Family Detached .....
Group .....
Row .....
Garden apartments .....
Small Shopping Center .....
Other .....
Large Lots required—estimated size .....
Price range indicated by survey .....
Current Market Demand .....
Rating of site for various uses: .....
Are indicated uses permitted by zoning or covenants? .....
Remarks: .....
.....
.....
.....

Courtesy: "Home Builders Manual for Land Development, Second Revised Edition" published by National Association of Home Builders

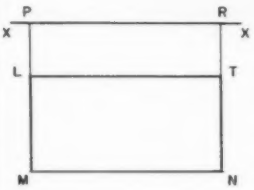


FIG. 1

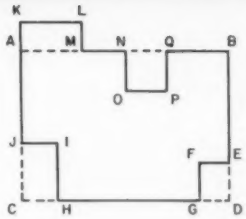
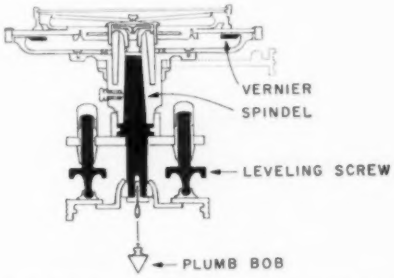


FIG. 2

HOW TO USE A TRANSIT

(Fig. 1): Using the plumb bob, suspended from the hook under the spindle, locate the station mark or corner of the lot or building to be laid out. Center the instrument directly over this point by shifting the legs of the tripod so that the plumb bob hangs directly over the station point. To bring plumb bob to this position, loosen leveling screws and shift instrument until the plumb bob points to center. Level up the instrument by tightening the leveling screws.



Street line in the illustration is XX. The corner of the proposed building is L, distance from the street line PL. Then a distance RT should be measured from the street, equal to PL, at a point determining the length of the proposed building. Now the line LT is parallel with the street. And LT represents the two front corners of the building.

To get the line at right angles to LT, leave the sights on the stake at T and turn the eyepiece end of the telescope to the left until the vernier has turned a right angle, or 90°. A sight along this new position will give the line LM, on which the necessary distance is measured off to determine the corner M. Now move level to T, and go through same operation to determine corner N.

To prove the correctness of the survey, check the distance MN, to see that it is the same as the distance LT.

FIG. 3

WHEN A BUILDING IS NOT A RECTANGLE (Fig. 2): In such a case, proceed as previously explained. However, additional points must be arranged for, and in that respect small errors are likely to creep in. In all cases, first lay out a large rectangle, along the outside extremities of the proposed building. This is represented by ABCD. These points established, the remaining portion of the layout will consist of small rectangles. Each of these can be laid out and proved separately. In the illustration (Fig. 2) these other rectangles are represented by EFGD, HIJC, KLMA and NOPQ.

ESTABLISHING LEVELS WITH A TRANSIT: Set up the instrument where points may be seen through the telescope. Level up the transit and take a reading where cross-hair cuts on the measuring rod. The rod is then moved to the second point to be established. Then rod is raised or lowered until the original reading is located. The bottom of the rod is then on the same level with the original point.

MEASURING DIFFERENCE IN ELEVATION (Figs. 3 and 4): If the instrument has been properly leveled and is not out of adjustment, the line of sight set up by the telescope when locked in the level position is horizontal in any direction. To obtain the difference in elevation between two points, such as points A and B,(Fig. 3) set up and level the instrument at an intermediate point, adjusting the tripod to any convenient height. Sight on a rod held over point A, note the reading where the horizontal cross-hair of the telescope cuts the graduation on the rod. Then, with the rod held on point B, rotate the telescope in a horizontal plane, again sight on the rod and note where the horizontal cross-hair cuts the graduation on the rod. The difference between the reading at A (6 ft.) and the reading at B (6½ ft.) will give the difference in elevation between the two points. Point B is ½ ft. lower than point A. In making these readings, the telescope must be carefully focused on the rod or other object on which it is sighted.

When, for any reason such as irregularity of the ground or a large difference in elevation, the two points whose difference in elevation is to be determined cannot be sighted from a single point, "intermediate points" must be used, as shown in Fig. 4.

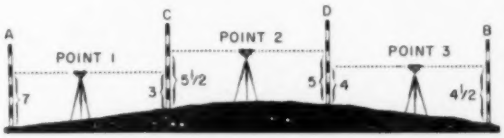
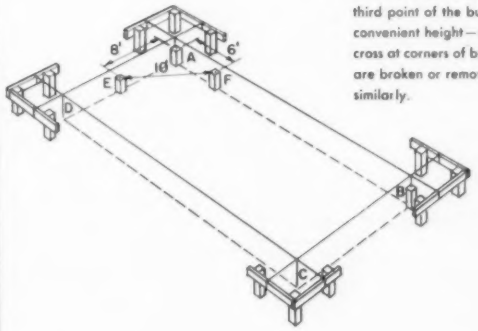


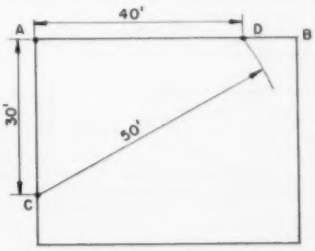
FIG. 4

RIGHT TRIANGLE METHODS FOR LAYING OUT A BUILDING

Establish a base line to mark out one end or side of a building. Erect stakes A and B at ends of line and drive a nail in the center of each stake to locate accurately the corners. Next drive a stake along line AB exactly 6' from A. Then drive another stake in at a point 8' from the center of stake A, and 10' from the center of stake F. EAF is then a right triangle. AE extended the proper distance to point D establishes the third point of the building. Set stakes and batter boards at corners beyond corners A, B, C, and D at some convenient height—usually top of foundation wall. Attach strings to batter boards and level. Strings must cross at corners of building. Nails should be driven in the batters where strings are fastened, so that if strings are broken or removed, they can be replaced accurately. Other corners of the building should be located similarly.



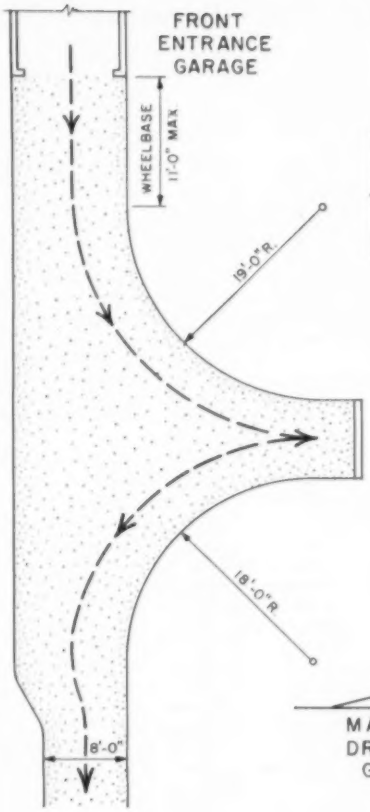
A and B can be any corners of a building. Along AB measure a distance of 40' with a steel tape. Approximately at right angles to A, measure a distance of 30' to a point C. From C, measure a distance of 50'. When points C and D are exactly 50' apart, angle CAD becomes a right angle.

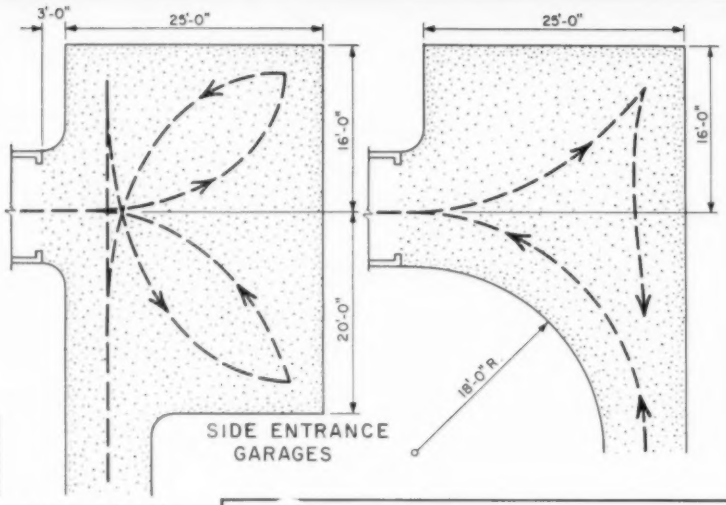


SITE PLANNING

Driveway Design

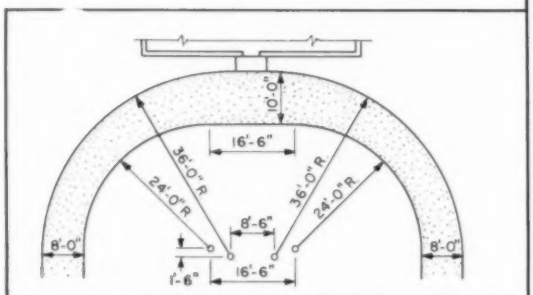
6



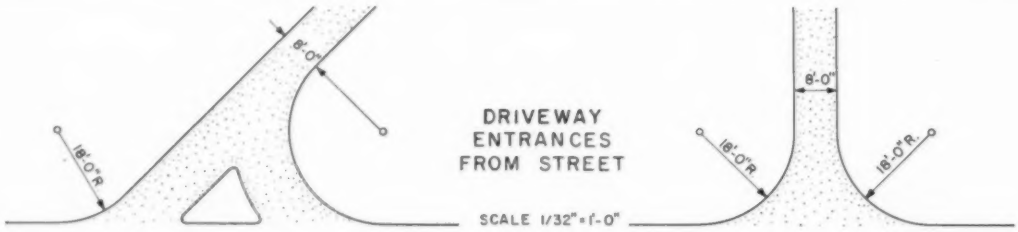


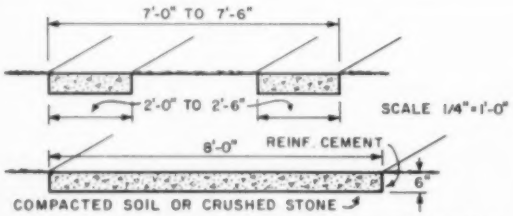
SCALE 1/16" = 1'-0"

MAXIMUM DRIVEWAY GARAGE

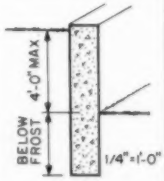


1959 AUTOMOBILES	LENGTH	WIDTH	WHEELBASE	OVERHANG F	OVERHANG R
RAMBLER AMERICAN	178.3"	73"	100"	31"	47"
CADILLAC SPECIAL	225"	80.2"	130"	35.6"	51.7"

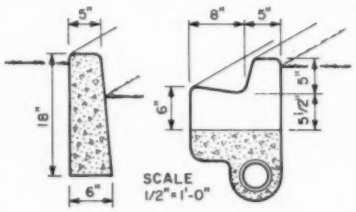




AVERAGE WIDTH CONCRETE RUNWAYS

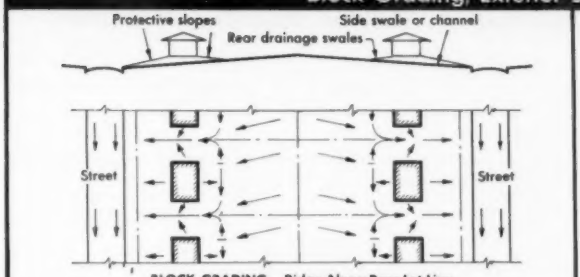


LOW RETAINING WALL

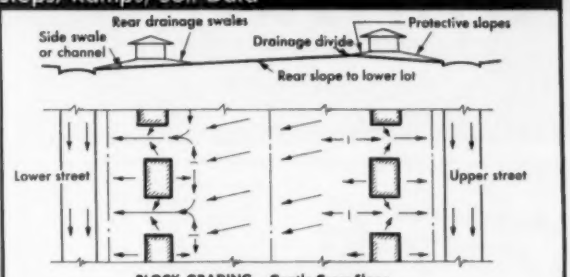


CONCRETE CURBS

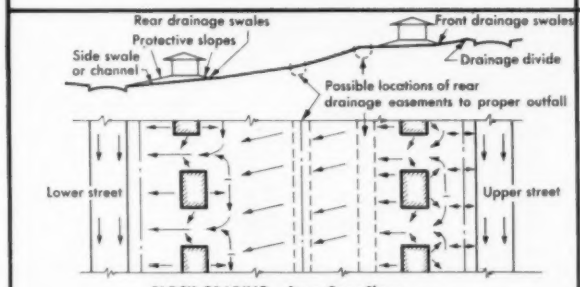
Block Grading; Exterior Steps, Ramps; Soil Data



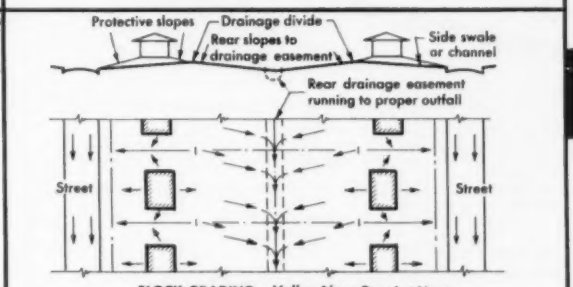
BLOCK GRADING — Ridge Along Rear Lot Line



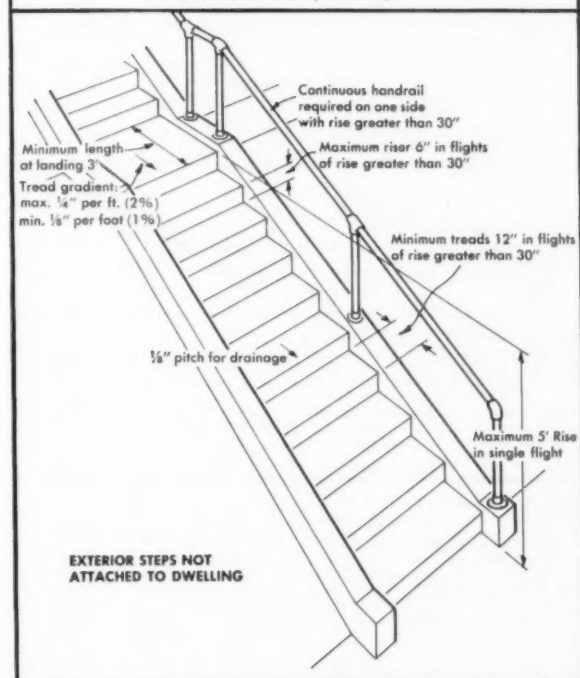
BLOCK GRADING — Gentle Cross Slope



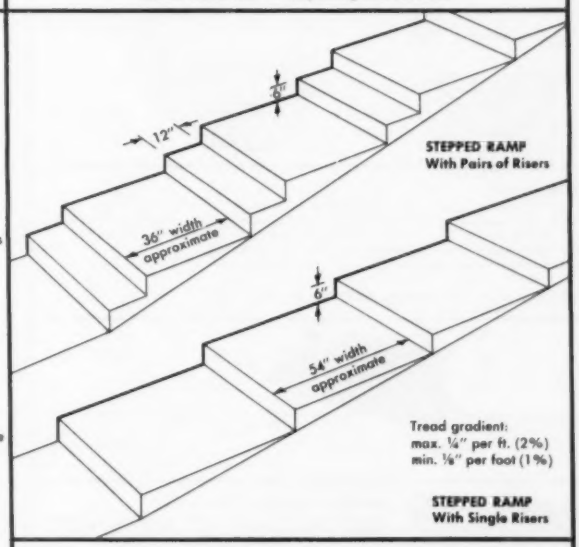
BLOCK GRADING — Steep Cross Slope



BLOCK GRADING — Valley Along Rear Lot Lines

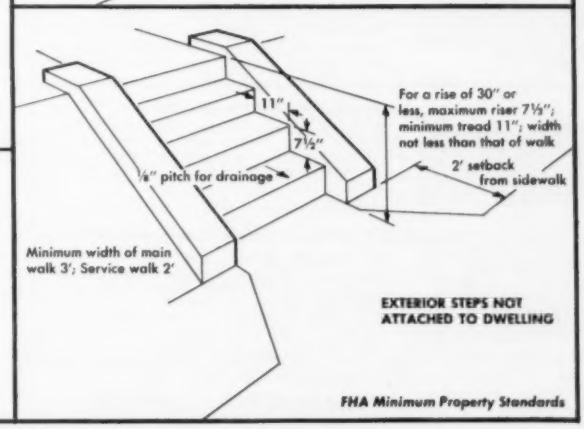


EXTERIOR STEPS NOT ATTACHED TO DWELLING



STEPPED RAMP With Pairs of Risers

STEPPED RAMP With Single Risers



EXTERIOR STEPS NOT ATTACHED TO DWELLING

Percentage of Difficulty of Excavation

Maximum output figure assumes ideal conditions with skilled operator, no loading delays, in moist loam or light sandy clay. For other soils reduce calculations as follows: sand, gravel: 95%; ordinary earth: 80-85%; hard clay: 50-70%; well blasted rock: 45-55%; earth with roots and rocks: 35-45%; wet sticky clay: 30-40%; poorly blasted rock: 15-30%.

FHA Minimum Property Standards

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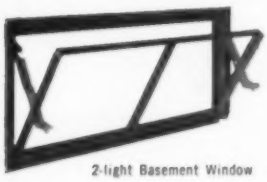


2-light Basement Window

No. 44 DV, 4-light Utility Window

MILCOR BASEMENT AND UTILITY WINDOWS

BASEMENT WINDOWS — Easy to install. Large flanges on frame insure secure, draftless connection in wall opening. Nailing holes in top flange for attaching to wood plate. Available in Steel or Aluminum — with one or two lights. Two light can be furnished with cork gaskets for puttyless glazing.
MASONRY OPENINGS: 32½"x 14⅞" to 36½"x 22⅞".
GLASS SIZES: 2 light — 15"x 12" to 17"x 20";
1 light — 30½"x 12" to 30½"x 20".
PACKING: Steel — 6 per bundle; Aluminum — 6 per carton.
UTILITY WINDOWS — Available in Steel or Aluminum — in single vent styles with four or six lights, or double-vent style with four lights.
MASONRY OPENINGS: 32½"x 42¾" to 48⅜"x 42¾".
GLASS SIZES: 12"x 20" and 15"x 20".
PACKING: Steel — 4 per bundle; Aluminum — 4 per carton.

MILCOR E-Z POUR BASEMENT WINDOWS

For installation in poured concrete walls from 5⅝" through 10" thick. Creates a permanent, steel framed opening — eliminates need for window bucks. One man can install.
WINDOW TYPES: 2-light and 1-light types. 2-light type can be furnished with cork gaskets for puttyless glazing.
GLASS SIZES: 15"x 12", 15"x 16", 15"x 20";
30½"x 12", 30½"x 16", 30½"x 20".
PACKING: 2 per bundle.

2-light E-Z Pour Basement Window

Round Areawall

Straight Areawall

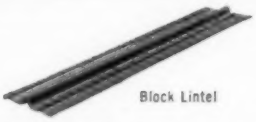
MILCOR AREAWALLS

Round and Straight styles. Deep corrugated design and bright galvanized finish provide rigidity and maximum light reflection into basement. Made from Ti-Co Galvanized Steel for maximum corrosion resistance with formed rounded bead at top edge.
DIMENSIONS: 37" wide; 12" to 48" high in 6" increments. Round style has 16" projection; Straight style has 12" projection.
PACKING: 12", 18" and 24" — 6 per bundle; 30" and 36" — 4 per bundle; 42" and 48" — 3 per bundle.
Foundation Grille Areawalls also available — 17" wide x 12" high x 4" projection — not corrugated. Packed 6 per bundle.

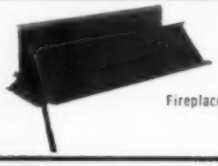
MILCOR LINTELS

Roll-formed, ribbed design provides engineered strength, allows proper space for uniform, solid bed of mortar. No tuck-pointing required, no deep-grouting of cement block. Lintels lie flat — no twisting, bending, or warping. Prime roll-formed steel. Baked-on, rust-inhibitive prime paint coating.
LENGTHS: Brick lintels — 2'-0" to 7'-6". Block lintels for 6" and 8" block — 2'-6" to 5'-0".
PACKING: 6, 4 or 3 per bundle, dependent on size.

Brick Lintel



Block Lintel



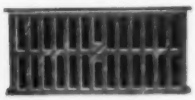
Fireplace Dome Damper

MILCOR FIREPLACE DOME DAMPERS

Simple design provides lasting, trouble-free operation. Ample masonry flange facilitates laying of brick. Damper equipped with either chain or poker control. Made of rust-resistant, heat-resistant Steel — damper leaf won't warp. Baked-on, rust-inhibitive paint coating.
SIZES: For fireplace-opening widths of 30", 32", 36", 42", and 48". Overall width of damper is 3" more than fireplace opening; overall depth, 11"; overall height, 8½".
PACKING: 2 per bundle.

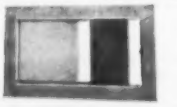
MILCOR CRAWL SPACE DOORS

Provide ready access to crawl spaces under basementless houses. Heavy-gauge Steel with ample flanges for secure installation.
NOMINAL SIZES: 32"x 12"; 32"x 16"; 32"x 20".
PACKING: 32"x 20" — 3 per carton. Others — 6 per carton.



MILCOR FOUNDATION GRILLES

For any type of masonry construction. Fit openings the size of one concrete block. With screen and adjustable shutter, or with screen only. Available in Ti-Co Galvanized Steel or heavy gauge Aluminum.
SIZE: 16"x 8".
PACKING: 12 per carton.

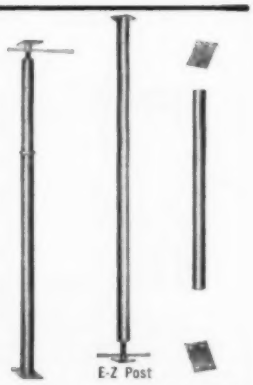


MILCOR ASH DUMPS

Installed in bottom of fireplace to facilitate ash removal. Extra-wide flanges simplify installation. Stamped from hot-rolled steel.
SIZE: Double-leaf unit with 4"x 8" opening.
PACKING: 12 per carton.

MILCOR STEEL POSTS

VARI-POST — A telescoping, adjustable steel post, with jack screw, for extra support or elimination of floor sag.
SIZES: No. 84 (adjusts from 5'-0" to 8'-4"); No. 79 (4'-9" to 7'-9"); No. 73 (5'-0" to 7'-3"); No. 46 (2'-9" to 4'-6"); No. 29 (1'-10" to 2'-9"); No. 22 (16" to 22").
PACKING: One per carton.
E-Z POST — For permanent steel post installation. One man sets it up — no need to shim or fit by trial and error. Cap plate and adjusting unit integral with post. Base plate furnished.
SIZES: From 6'-6" to 8'-0" in 3" increments. Each post has a 3" adjustable range. Size shown is maximum.
PACKING: Four per bundle.
STUR-D-POST — Engineered for heavy loads — structurally acceptable and approved by local building codes.
SIZES: 3" O.D. x 11 ga., 3½" O.D. x 13 ga., 3½" O.D. x 11 ga., 4" O.D. x 13 ga., 4" O.D. x 11 ga.
LENGTHS: 6'-0" to 8'-0".
PACKING: Eight per bundle. Cap and base plates optional accessories.



Vari-Post E-Z Post Stur-D-Post

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NOMINAL LENGTH OF CONCRETE MASONRY WALLS BY STRETCHERS

(Based on units 15⅝" long and half units 7⅝" long with ⅜" thick head joints)

LENGTH OF WALL	NO. OF UNITS	LENGTH OF WALL	NO. OF UNITS	LENGTH OF WALL	NO. OF UNITS	LENGTH OF WALL	NO. OF UNITS	LENGTH OF WALL	NO. OF UNITS	LENGTH OF WALL	NO. OF UNITS
0'-8"	½	20'-8"	15½	40'-8"	30½	60'-8"	45½	80'-8"	60½	100'-8"	75½
1'-4"	1	21'-4"	16	41'-4"	31	61'-4"	46	81'-4"	61	101'-4"	76
2'-0"	1½	22'-0"	16½	42'-0"	31½	62'-0"	46½	82'-0"	61½	102'-0"	76½
2'-8"	2	22'-8"	17	42'-8"	32	62'-8"	47	82'-8"	62	102'-8"	77
3'-4"	2½	23'-4"	17½	43'-4"	32½	63'-4"	47½	83'-4"	62½	103'-4"	77½
4'-0"	3	24'-0"	18	44'-0"	33	64'-0"	48	84'-0"	63	104'-0"	78
4'-8"	3½	24'-8"	18½	44'-8"	33½	64'-8"	48½	84'-8"	63½	104'-8"	78½
5'-4"	4	25'-4"	19	45'-4"	34	65'-4"	49	85'-4"	64	105'-4"	79
6'-0"	4½	26'-0"	19½	46'-0"	34½	66'-0"	49½	86'-0"	64½	106'-0"	79½
6'-8"	5	26'-8"	20	46'-8"	35	66'-8"	50	86'-8"	65	106'-8"	80
7'-4"	5½	27'-4"	20½	47'-4"	35½	67'-4"	50½	87'-4"	65½	107'-4"	80½
8'-0"	6	28'-0"	21	48'-0"	36	68'-0"	51	88'-0"	66	108'-0"	81
8'-8"	6½	28'-8"	21½	48'-8"	36½	68'-8"	51½	88'-8"	66½	108'-8"	81½
9'-4"	7	29'-4"	22	49'-4"	37	69'-4"	52	89'-4"	67	109'-4"	82
10'-0"	7½	30'-0"	22½	50'-0"	37½	70'-0"	52½	90'-0"	67½	110'-0"	82½
10'-8"	8	30'-8"	23	50'-8"	38	70'-8"	53	90'-8"	68	110'-8"	83
11'-4"	8½	31'-4"	23½	51'-4"	38½	71'-4"	53½	91'-4"	68½	111'-4"	83½
12'-0"	9	32'-0"	24	52'-0"	39	72'-0"	54	92'-0"	69	112'-0"	84
12'-8"	9½	32'-8"	24½	52'-8"	39½	72'-8"	54½	92'-8"	69½	112'-8"	84½
13'-4"	10	33'-4"	25	53'-4"	40	73'-4"	55	93'-4"	70	113'-4"	85
14'-0"	10½	34'-0"	25½	54'-0"	40½	74'-0"	55½	94'-0"	70½	114'-0"	85½
14'-8"	11	34'-8"	26	54'-8"	41	74'-8"	56	94'-8"	71	114'-8"	86
15'-4"	11½	35'-4"	26½	55'-4"	41½	75'-4"	56½	95'-4"	71½	115'-4"	86½
16'-0"	12	36'-0"	27	56'-0"	42	76'-0"	57	96'-0"	72	116'-0"	87
16'-8"	12½	36'-8"	27½	56'-8"	42½	76'-8"	57½	96'-8"	72½	116'-8"	87½
17'-4"	13	37'-4"	28	57'-4"	43	77'-4"	58	97'-4"	73	117'-4"	88
18'-0"	13½	38'-0"	28½	58'-0"	43½	78'-0"	58½	98'-0"	73½	118'-0"	88½
18'-8"	14	38'-8"	29	58'-8"	44	78'-8"	59	98'-8"	74	118'-8"	89
19'-4"	14½	39'-4"	29½	59'-4"	44½	79'-4"	59½	99'-4"	74½	119'-4"	89½
20'-0"	15	40'-0"	30	60'-0"	45	80'-0"	60	100'-0"	75	120'-0"	90

NOMINAL HEIGHT OF CONCRETE MASONRY WALLS BY COURSES

(Based on units 7⅝" high and ⅜" thick mortar joints)

HEIGHT OF WALL	NO. OF UNITS	HEIGHT OF WALL	NO. OF UNITS	HEIGHT OF WALL	NO. OF UNITS	HEIGHT OF WALL	NO. OF UNITS
0'-8"	1	8'-8"	13	16'-8"	25	24'-8"	37
1'-4"	2	9'-4"	14	17'-4"	26	25'-4"	38
2'-0"	3	10'-0"	15	18'-0"	27	26'-0"	39
2'-8"	4	10'-8"	16	18'-8"	28	26'-8"	40
3'-4"	5	11'-4"	17	19'-4"	29	27'-4"	41
4'-0"	6	12'-0"	18	20'-0"	30	28'-0"	42
4'-8"	7	12'-8"	19	20'-8"	31	28'-8"	43
5'-4"	8	13'-4"	20	21'-4"	32	29'-4"	44
6'-0"	9	14'-0"	21	22'-0"	33	30'-0"	45
6'-8"	10	14'-8"	22	22'-8"	34	30'-8"	46
7'-4"	11	15'-4"	23	23'-4"	35	31'-4"	47
8'-0"	12	16'-0"	24	24'-0"	36	32'-0"	48

HOW TO USE THESE TABLES

The tables on this page are an aid to estimating and designing with standard concrete masonry units. The following are examples of how they can be used to advantage.

Example:

Estimate the number of units required for a wall 76' long and 12' high.

From table: 76' = 57 units
12' = 18 courses
57 x 18 = 1026 = No. masonry units required.

Example:

Estimate the number of units required for a foundation 24' x 30' — 11 courses high.

2 x 24—30 = 108' = distance around foundation.
From table: 108' = 81 units
81 x 11 = 891 = No. masonry units required.

This table can also be useful in the layout of a building on a modular basis to eliminate cutting of units. Example: If design calls for a wall 41' long it can be found from the table that making this wall 41'-4" will eliminate cutting units and consequent waste. Example: If the distance between two openings has been tentatively established at 2'9", consulting the table will show that 2'-8" dimension would eliminate cutting of units.

7

CUBIC YARD CONTENTS OF WALLS AND SLABS

No. SQ. FT. IN WALL	THICKNESS OF WALL IN INCHES											
	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"
1	.0062	.0124	.0185	.0247	.0308	.037	.043	.049	.055	.062	.068	.074
2	.0124	.0248	.0370	.0492	.0616	.074	.086	.099	.111	.123	.136	.148
3	.0186	.0372	.0555	.0741	.0924	.111	.129	.148	.166	.185	.203	.222
4	.0248	.0496	.0740	.0988	.1232	.148	.173	.197	.222	.246	.271	.296
5	.0310	.0620	.0925	.1235	.1540	.185	.216	.247	.277	.308	.339	.370
6	.0372	.0744	.1110	.1482	.1848	.222	.259	.296	.333	.369	.407	.444
7	.0434	.0868	.1295	.1729	.2156	.259	.302	.346	.385	.431	.475	.518
8	.0496	.0992	.1480	.1976	.2464	.296	.345	.395	.444	.493	.542	.592
9	.0558	.1116	.1665	.2223	.2772	.333	.389	.445	.499	.554	.610	.666
10	.0620	.1240	.1850	.2470	.3080	.370	.432	.494	.555	.616	.678	.740
20	.124	.248	.370	.492	.616	.740	.864	.988	1.108	1.232	1.356	1.480
30	.186	.372	.555	.741	.924	1.110	1.296	1.482	1.665	1.848	2.034	2.220
40	.248	.496	.740	.988	1.232	1.481	1.728	1.976	2.220	2.464	2.712	2.960
50	.310	.620	.925	1.235	1.540	1.852	2.160	2.470	2.775	3.080	3.390	3.704
60	.372	.744	1.110	1.482	1.848	2.222	2.592	2.964	3.330	3.696	4.068	4.444
70	.434	.868	1.295	1.729	2.156	2.592	3.024	3.458	3.885	4.312	4.746	5.184
80	.496	.992	1.480	1.976	2.464	2.962	3.456	3.952	4.440	4.928	5.424	5.924
90	.558	1.116	1.665	2.223	2.772	3.333	3.888	4.446	4.995	5.544	6.102	6.666
100	.62	1.24	1.85	2.47	3.08	3.70	4.32	4.94	5.55	6.16	6.78	7.41
200	1.24	2.48	3.70	4.92	6.16	7.40	8.64	9.88	11.08	12.32	13.56	14.80
300	1.86	3.72	5.55	7.41	9.24	11.10	12.96	14.82	16.65	18.48	20.34	22.20
400	2.48	4.96	7.40	9.88	12.32	14.81	17.28	19.76	22.20	24.64	27.12	29.60
500	3.10	6.20	9.25	12.35	15.40	18.52	21.60	24.70	27.75	30.80	33.90	37.04
600	3.72	7.44	11.10	14.82	18.48	22.22	25.92	29.64	33.30	36.96	40.68	44.44
700	4.34	8.68	12.95	17.29	21.56	25.92	30.24	34.58	38.85	43.12	47.46	51.84
800	4.96	9.92	14.80	19.76	24.64	29.62	34.56	39.52	44.40	49.28	54.24	59.24
900	5.58	11.16	16.65	22.23	27.72	33.33	38.88	44.46	49.95	55.44	61.02	66.66
1000	6.20	12.40	18.50	24.70	30.80	37.04	43.20	49.40	55.50	61.60	67.80	74.06

HOW TO USE THIS TABLE

This table gives the cubic yard factors to use in estimating quantities of concrete required for walls, slabs, walks or drives when the square footage is known.

Example: Find the number of cubic yards of concrete required for the walls of a foundation 24' x 30' x 8' — 10" thick.

2 x (24 + 30) x 8 = 864 sq. ft.

Use factors from table for 10" wall thickness:

800 sq. ft. = 24.64 cu. yds.
60 sq. ft. = 1.848 cu. yds.
4 sq. ft. = .123 cu. yds.
26.611 cu. yds. of concrete required.

Where concrete thickness is an odd number of inches use factors for double the thickness and divide result by 2. Example: For 9" walls use 18" factors and divide final quantity in half.

CONCRETE FOOTING QUANTITY FACTORS

(Cu. Yd. per 10 Lin. Ft.)

DEPTH IN INCHES	WIDTH OF FOOTING IN INCHES									
	6	8	10	12	14	16	18	20	22	24
6	.093	.124	.154	.185	.217	.248	.278	.308	.340	.370
8	.124	.165	.205	.247	.289	.330	.370	.410	.451	.494
10	.155	.206	.256	.308	.360	.412	.462	.512	.564	.616
12	.185	.247	.308	.370	.432	.494	.555	.616	.678	.740
14	.216	.288	.360	.432	.504	.576	.648	.720	.792	.864
16	.247	.329	.410	.494	.576	.658	.739	.820	.904	.988
18	.278	.370	.462	.555	.648	.740	.832	.924	1.017	1.110
20	.309	.411	.513	.617	.720	.820	.924	1.024	1.130	1.234
22	.339	.452	.564	.679	.791	.900	1.016	1.128	1.243	1.358
24	.37	.494	.616	.740	.864	.988	1.110	1.232	1.360	1.480

HOW TO USE THIS TABLE

This table gives the cubic yard factors to use in estimating quantities of concrete required for footings when the total lineal feet is known.

Example: Find the number of cubic yards of concrete required for a footing 18" wide, 10" thick for a foundation wall 24' x 30'

2 x (24 + 30) = 108 lin. ft.

From the table it is found that 10 lin. ft. of 18" x 10" footing contains .462 cu. yds. (or .0462 for 1 lin. ft.)

Multiply .0462 x 108 = 4.989 cu. yds.
or .462 x 10.8 = 4.989 cu. yds. concrete required

NOTE: This table is also useful in estimating the quantity of earth to be removed from footing excavations. Follow the same procedure as outlined above.

TABLE 1
FOUR-INCH MODULAR-BRICK FACING WALLS RUNNING BOND

(Full Bed and Head Joints)

Nominal Size of Brick*	Number of Brick per Sq. Ft. of Wall	Cu. Ft. of Mortar per Sq. Ft. of Wall**		Cu. Ft. of Mortar per 1000 Brick**	
		3/8" Joint	1/2" Joint	3/8" Joint	1/2" Joint
2-2/3x4x8	6.75	0.0608	0.0765	8.90	11.30
2-2/3x4x12	4.50	0.0535	0.071	11.90	15.80
2x4x12	6.00	0.0676	0.09	11.30	15.00
4x4x8	4.50	0.0432	0.0575	9.60	12.80
4x4x12	3.00	0.039	0.052	13.00	17.30

*Actual size plus thickness of one joint
**10% added for waste

MODULAR-BRICK

In Table 1 are quantities of units and mortar required to construct a 4-in. wall using 5 sizes of modular brick with two joint thicknesses. The mortar quantities shown are for the bed and head joints only. If this facing is to be applied to a backup wall, the quantity of mortar required for the interior vertical or collar joint must be added. These quantities are as follows:

.0313 cu. ft. for 1 sq. ft. mortar joint 3/8-in thick.

.0365 cu. ft. for 1 sq. ft mortar joint 7/16-in thick.

.0417 cu. ft. for 1 sq. ft. mortar joint 1/2" thick.

The brick quantities shown are for brick laid in running bond. For other bonds in which full headers are used, the correction factors in Table 4 must be added. The 2-2/3x4x8-in. size brick is commonly referred to as the "Standard Modular" size.

TABLE 2
EIGHT- AND TWELVE-INCH BRICK BACKUP WALLS IN RUNNING BOND

(Full Bed, Head and Collar Joints)

Nominal Size of Brick*	Number of Brick	8" Wall Cu. Ft. of Mortar**		Number of Brick	12" Wall Cu. Ft. of Mortar**	
		3/8" Joint	1/2" Joint		3/8" Joint	1/2" Joint
2-2/3x4x8	13.50	0.1544	0.1988	20.25	0.2489	0.3211
4x4x8	9.00	0.1210	0.1610	13.50	0.1984	0.2641

*Actual size plus thickness of one joint
**10% added for waste

Mortar for interior vertical joints (parging or plastering) per 100 sq. ft. of joint.

3/8" joint.....3.13 cu. ft.
7/16" joint.....3.65 cu. ft.
1/2" joint.....4.17 cu. ft.

7

TABLE 3
NON-MODULAR SOLID-BRICK WALLS IN RUNNING BOND

(No headers, or pattern made with blind headers)

WALL AREA SQ. FT.	4-IN. WALL		8-IN. WALL		12-IN. WALL		16-IN. WALL	
	No. OF BRICK	CU. FT. MORTAR	No. OF BRICK	CU. FT. MORTAR	No. OF BRICK	CU. FT. MORTAR	No. OF BRICK	CU. FT. MORTAR
1	6.16	.0271	12.32	.19	18.48	.3	24.64	.4132
10	62	.721	124	1.86	185	3	247	4.2
20	124	1.5	247	3.72	370	6	493	8.3
30	185	2.2	370	5.6	555	9	740	12.4
40	247	2.9	493	7.5	740	12	986	16.6
50	308	3.6	616	9.3	924	15	1232	20.7
60	370	4.4	740	11.15	1109	18	1479	24.8
70	432	5.1	863	13	1294	21	1725	29
80	493	5.8	986	14.9	1479	24	1972	33.1
90	555	6.5	1109	16.75	1664	27	2218	37.2
100	616	7.25	1232	18.6	1848	30	2464	41.4
200	1232	14.5	2464	37.2	3696	60	4928	82.7
300	1848	21.7	3696	55.75	5544	90	7392	124
400	2464	29	4928	74.33	7392	120	9856	165.3
500	3080	36	6160	92.90	9240	150	12320	207
1000	6160	72.1	12320	185.8	18480	300	24640	413.2

NOTE: 1/2" joints completely filled, including vertical interior joints of 8-in., 12-in. and 16-in. walls. For estimating number of facing and backup brick in any particular type of bonds use correction factor Table 4.

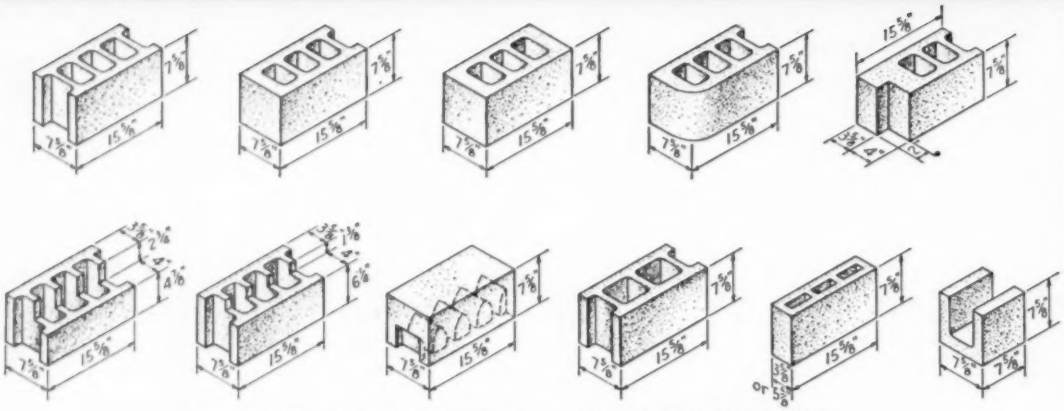
TABLE 4
CORRECTION FACTORS TO BE APPLIED TO 4-INCH WALL QUANTITIES FOR ESTIMATING THE REQUIRED NUMBER OF FACING BRICK IN VARIOUS BONDS

TYPE OF BOND	CORRECTION FACTOR
Common bond with full header every 5th course	20% or 1/5
Common bond with full header every 6th course	16.7% or 1/6
Common bond with full header every 7th course	14.3% or 1/7
English bond, alternate courses full headers	50% or 1/2
English or Dutch bond with full headers every 6th course and blind headers in intermediate courses	16.7% or 1/6
Flemish bond, alternate stretchers and full headers every course	33.3% or 1/3
Flemish bond, with stretchers and full headers every 6th course, intermediate courses with blind headers	5.6% or 1/8
Flemish cross bond, alternate courses with stretchers and headers	16.7% or 1/6
Double header and stretcher every 6th course	8.3% or 1/12
Double header and stretcher every 5th course	10% or 1/10

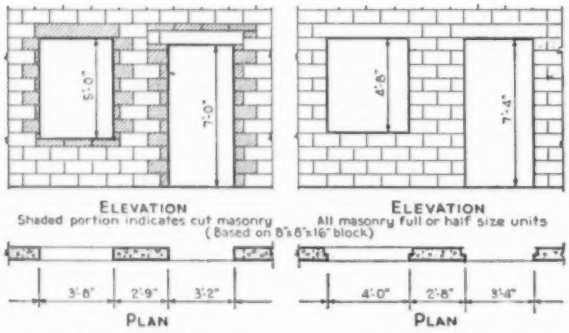
CONCRETE, MASONRY, TILE, BRICK

Concrete Block and Brick Details

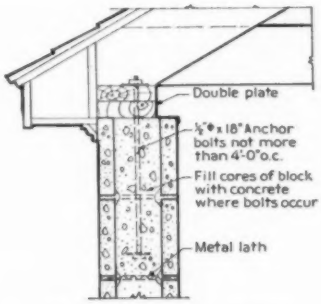
7



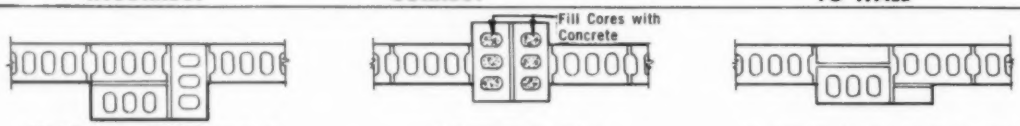
TYPICAL SHAPES AND SIZES OF CONCRETE MASONRY UNITS



INCORRECT **CORRECT**



FASTENING TOP PLATE TO WALL

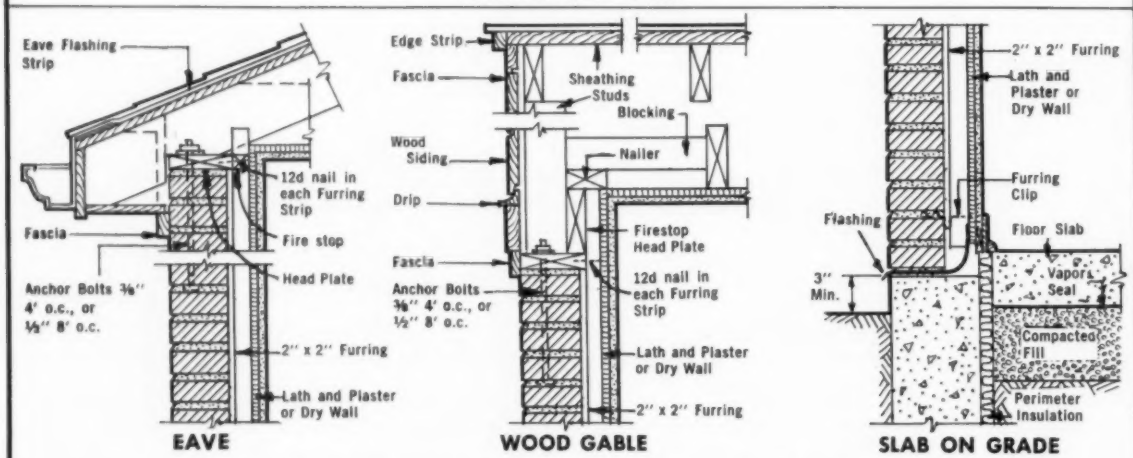


8" x 24" Pilaster Construction in 8" Concrete Masonry Wall

Pier Construction Using 8" x 8" x 16" Units

4" x 24" Pilaster Construction in 8" Concrete Masonry Wall

PILASTERS AND PIERS



EAVE **WOOD GABLE** **SLAB ON GRADE**

Courtesy Portland Cement Association; Structural Clay Products Institute

RECOMMENDED MIXES FOR SEVERAL CLASSES OF SMALL-HOUSE CONSTRUCTION

Kind of Work	U. S. gallons of water to add to each 1-sack batch			Trial mixture for first batch			Maximum aggregate size
	Damp sand & coarse aggregate	Wet sand & coarse aggregate	Very wet sand & cse. agg.	Cement	Sand	Coarse Aggregate	
		Average sand		sacks	cu. ft.	cu. ft.	in.
Foundation walls which need not be watertight, mass concrete for footings, retaining walls, garden walls, etc.	6¼	5½	4¾	1	2¾	4	1½
		Average sand					
Watertight basement walls, walls above ground, Well curbs and platforms, cisterns, septic tanks, watertight floors, sidewalks, stepping-stone and flagstone walks, driveways, play courts, porch floors, basement floors, steps, piers, columns, etc.	5½	5	4¼	1	2¼	3	1½

Source: National Association of Home Builders Research Institute

7

HOW TO LAY CONCRETE IN COLD WEATHER

1. **Heat the Materials**
   a. Have concrete temperatures between 50° and 70° for slabs and building frames.
   b. For air temperatures between 30° and 40° F., heat the mixing water.
   c. For air temperatures below 30° F., heat mixing water and sand or both sand and coarse aggregate.
   d. Cover aggregate piles with tarps while heating.
   e. Avoid frozen aggregate lumps in concrete at time it leaves the mixer.
   f. Don't overheat. It may result in flash set.
2. **Use Accelerators Carefully**
   a. Don't use more than 2 lb. of calcium chloride per sack of cement to hasten hardening.
   b. Don't depend on any chemicals to prevent freezing.
   c. Don't use calcium chloride with other mixtures which accelerate hardening.
3. **Provide Suitable Curing Temperatures**
   a. Maintain temperature of concrete at 70° or above for three days or 50° or above for five days.
   b. Maintain temperature of high-early-strength concrete at 70° or above for two days or 50° or above for three days.
   c. Do not allow concrete to freeze during next four days.
   d. Cool concrete gradually at rate of one to two degrees per hour.
4. **Protect the Concrete**
   a. Insulation without artificial heat is often sufficient protection for slabs on ground and heavy sections.
   b. At lower temperatures, housing and artificial heat are necessary.
   c. Raise heating units above floor to avoid rapid drying of concrete underneath.
   d. Keep concrete moist, especially near heating units.
5. **Remove Forms at Proper Time**
   a. Allow ample time for concrete to attain required strength.

COLD-WEATHER CONCRETE-MASONRY CONSTRUCTION

If the air temperature is:

Below 40 Deg. F. But Above Freezing

All masonry materials should be covered and properly stored to prevent them from becoming wet from rain, ice or snow. The mixing water should be heated, but not over 160 deg. F. Temperature of mortar when placed in the wall should not exceed 100 deg. F. or be less than 70 deg. F. Protective coverings should be placed over the newly laid masonry walls.

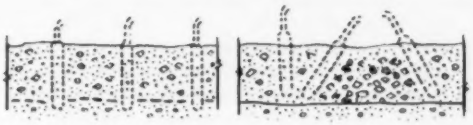
Below Freezing But Above 0 Deg. F.

In addition to the preceding requirements the sand should be heated. The working area should be enclosed with protective coverings and artificial heat should be provided by salamanders or portable heaters. When the temperature falls below 20 deg. F. all concrete-masonry units (hollow and solid) should be heated to at least 50 deg. F.

Below 0 Deg. F.

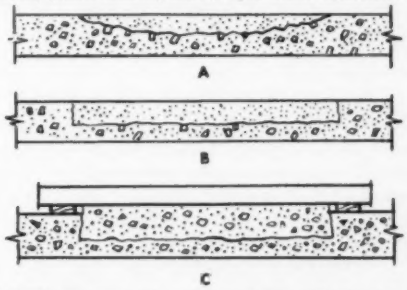
Concrete-masonry construction should be stopped unless for emergencies, when great care must be taken to insure complete and tight enclosures plus all the preceding requirements.

Balance of material courtesy Portland Cement Association.



COMPACTING: To compact concrete in foundation walls, a mechanical vibrator is ideal (although puddling or spading the concrete down is perfectly acceptable). Vertical penetration of vibrator, above, left, a few inches into previous lift at systematic regular intervals will give adequate consolidation. Random penetration, above, right, will *not* insure combination of layers, and will distribute aggregate badly.

PLACING SLAB CONCRETE: Concrete should be dumped into face of previously placed concrete, as above, left. Dumping away from previously placed concrete, above, right, causes separation.



PATCHING: Incorrect (A) and correct (B) methods of installing a patch are shown. The chipped area should be at least one inch deep with the edges at right angles to the surface. Correct method of screeding patch is shown above (C). The new concrete should project slightly beyond the surface of the old concrete. It should be allowed to stiffen and then troweled or otherwise finished to match and be flush with adjoining surfaces.

Admixtures are any materials other than water, aggregates, or cement added to concrete before or during mixing to make the concrete more suitable to a particular type of work. They will retard the concrete's setting time or accelerate it, and will entrain air or gas to help it withstand frost action or gas to counteract shrinkage and bleeding. They will increase concrete's workability and its resistance to corrosion. They will dampproof the concrete, make it water repellent, hasten or retard its flowability, and control shrinkage. Handled with reasonable caution—they sometimes alter the normal strength of concrete—admixtures give concrete new dimensions.

To accelerate set time:

Agents such as calcium chloride added up to 2% of the weight of portland cement will increase the rate of early hardening. This permits early removal of forms, creates a shorter curing period, advances the time when the concrete structure can be put in service, compensates for the retarding effect of other admixtures.

To retard set time:

Retarders are added to concrete in hot weather to prevent false set and to permit placing concrete in difficult positions. Builders sometimes place them on the inside of form faces to retard setting of the outside face of the concrete. This permits the builder to later brush away the laitance and expose the aggregate, creating a textural effect. Common retarders include starches, or cellulose products, sugars and acids, or salts of acids that contain one or more hydroxl groups. They must be added to concrete in very small amounts.

To resist freezing:

Air entraining agents added to concrete incorporate small amounts of air in minute bubbles to help the concrete resist frost action. Air entraining also makes the concrete lightweight, and increases its plasticity and workability. Air entraining agents include natural wood resins, fats, various sulfonated compounds, and oils.

To counteract shrinkage:

Gas-forming agents will reduce shrinkage and bleeding in plastic concrete. Gas dispersed in concrete by generating agents also improves its resistance to frost but to a lesser degree than air—and produces a lighter weight concrete or mortar. Aluminum powder added at a ratio of 1 teaspoonful to each sack of cement reacts with the hydroxides in the hydrating concrete to produce minute bubbles of hydrogen. Adding the powder at a rate of ¼ lb. to a sack of cement makes the concrete lightweight. Other gas-forming agents include zinc and magnesium powder, hydrogen peroxide and bleaching powder.

To increase workability:

Cementitious agents substituted for 10 to 25% of the weight of portland cement increase the concrete's workability, decrease bleeding and heat of hydration. A drawback is that they decrease the concrete's strength and must be added with care. The group includes natural cements, hydraulic lime, slag cement, and the pozzolans.

To reduce permeability:

Pozzolans substituted for part of the cement factor reduce concrete's permeability and increase its resistance to sulfates and the corrosive action of sea water. Pozzolans also add to concrete's workability. This group of admixtures includes fly ash, volcanic ash, heat-treated diatomaceous earths, and either heat-treated or raw shales and clays.

To dampproof:

Agents that dampproof concrete and reduce its permeability generally are classified as "soaps." They are inorganic salts of fatty acids such as calcium or ammonium stearate, or oleate. These soaps also increase the workability of the plastic concrete. Heavy mineral oil will make concrete water repellent. But it should not contain vegetable or mineral components and should have a viscosity of about SAE 60. Asphalt cutback oils and asphalt emulsions will also serve the purpose.

To add plasticity:

These agents will increase concrete's workability, a vital factor when concrete must be placed around closely spaced reinforcing, must be pumped, or chuted long distances. This group includes the powdered admixtures such as hydrated lime, diatomaceous earth, bentonite, fly ash. These admixtures generally are added to the concrete during batching, though sometimes they are premixed with dry cement. Large quantities of finely powdered admixtures in concrete tend to require a higher water-cement ratio than normal. Unless proper adjustments are made in the mix, some adverse effect can be expected in the concrete's strength, durability, and drying shrinkage. Air and gas entrainment also increase concrete's workability.

To hasten or retard grout set:

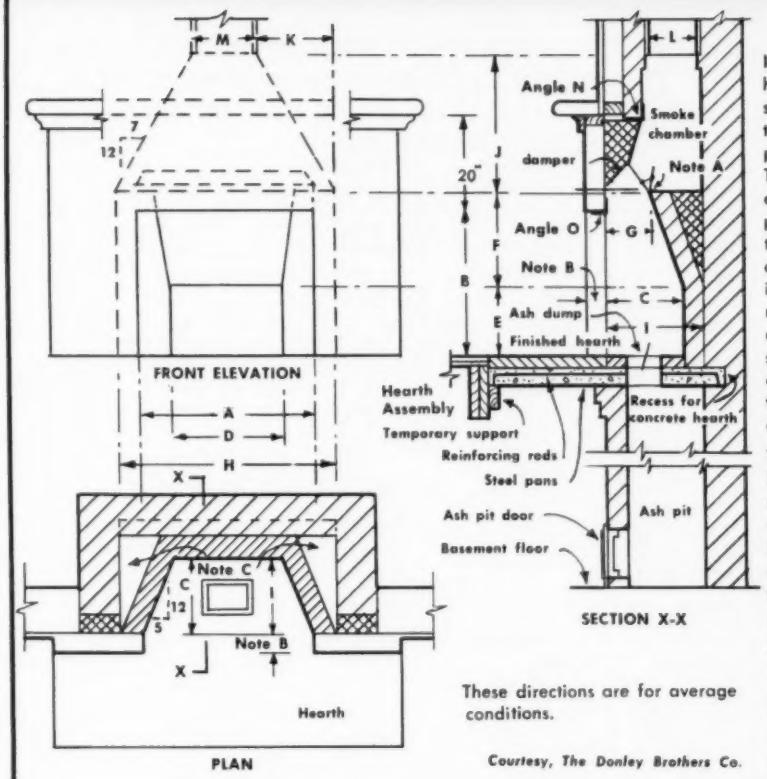
Calcium chloride or triethanolamine added to grout will hasten its set when it must work as a plugging agent. Mucic acid and other patented chemicals will retard its set to increase its pumpability and flow. Grout retarders include fly ash, bentonite, pumicite, and diatamaceous earth.

To offset shrinkage:

Expanding agents are made by burning a mixture of gypsum, bauxite, and limestone to create a sulfoaluminous cement which, added to concrete, offsets shrinkage. Powdered iron and an oxidizing agent added to portland cement also make a non-shrinking concrete.

Other admixtures:

A variety of admixtures on the market will improve concrete's wear resistance, make it harder or softer (asphalt), foam it, make it easy to saw, and add color. Lumber yards and building material supply stores carry virtual chemical plants on their shelves.



These directions are for average conditions.

Courtesy, The Donley Brothers Co.

DIRECTIONS

In the fireplace illustrations the open hatching indicates the materials installed when the chimney is built and the close and cross hatching shows that part installed with the finished fireplace. The generally accepted practice is to complete the rough brickwork of the fireplace from ash pit footings to chimney top before undertaking the installation of the finished interior and front. There is an alternate method by which both rough masonry and the finished front and interior are built up together. The second is presumed to save some of the cost, but it also results in more faulty fireplaces, and corrective work is more difficult and costly.

The illustrations of Plan, Elevation and Section have letters shown in the dimension spaces. These letters will be found at top of the columns in the Table of Dimensions below, where figures are given for the parts, corresponding to the letters, of 12 typical sizes of fireplaces.

First select the width of your fireplace opening, found in the left-hand column. The next column to the right gives an appropriate height. Following to the right are the dimensions of the other parts and also the necessary equipment.

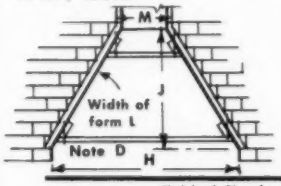
7

NOTES

A — The back flange of the damper must be protected from intense heat by being fully supported and shielded by the back wall masonry. Also, the damper and lintel angles should not be built in solidly at the ends but given freedom to expand with heat, as shown in the front elevation view at left, above.

B — The drawing indicates thickness of brick fireplace front as 4". No dimensions can be given for this because of various materials used, such as marble, stone, tile, etc., all of which have varying thicknesses

C — These hollow spaces should be filled to form solid backing. If desirable to include a furnace flue in either space, outside dimensions should be increased. The illustration above shows a rotary control damper installed.



Smoke Chamber — At damper level, the enclosure narrows to form the smoke chamber. It is important that the slope of its two sides be identical, the flue taking off from the center. Where the upright flue is not directly over the center make the upward sloping connection with no reduction in area and not more than 7" sideways to each 12" of rise. A form consisting of two boards with connecting braces helps to give the brick a proper slope and assists in providing the important smooth surface which assists in discharge of smoke.

TABLE OF FIREPLACE DIMENSIONS

Finished Fireplace Opening										Rough Brick Work and Flue Size						Equipment		
										New Flue Sizes**		Round	Old Flue Sizes			Ash Dump	Steel Angles*	
A	B	C	D	E	F	G	H	I	J	K	L	M	K	L	M		N	O
24	24	16	11	14	15	8¾	32	20	19	10	8x12	8	11¾	8½x	8½	58	A-36	A-36
26	24	16	13	14	15	8¾	34	20	21	11	8x12	8	12¾	8½x	8½	58	A-36	A-36
28	24	16	15	14	15	8¾	36	20	21	12	8x12	10	11½	8½x	13	58	A-36	A-36
30	29	16	17	14	21	8¾	38	20	24	13	12x12	10	12½	8½x	13	58	A-42	A-36
32	29	16	19	14	21	8¾	40	20	24	14	12x12	10	13½	8½x	13	58	A-42	A-42
36	29	16	23	14	21	8¾	44	20	27	16	12x12	12	15½	13	x13	70	A-48	A-42
40	29	16	27	14	21	8¾	48	20	29	16	12x16	12	17½	13	x13	70	A-48	A-48
42	32	16	29	14	23	8¾	50	20	32	17	16x16	12	18½	13	x13	70	B-54	A-48
48	32	18	33	14	23	8¾	56	22	37	20	16x16	15	21½	13	x13	70	B-60	B-54
54	37	20	37	16	27	13	68	24	45	26	16x16	15	25	13	x18	70	B-72	B-60
60	37	22	42	16	27	13	72	27	45	26	16x20	15	27	13	x18	70	B-72	B-66
60	40	22	42	16	29	13	72	27	45	26	16x20	18	27	18	x18	70	B-72	B-66

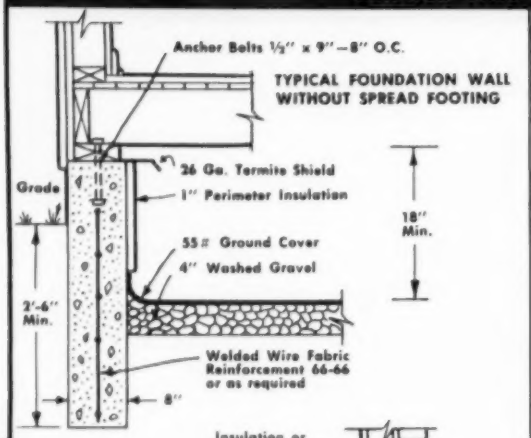
NOTES: *Angle Sizes: A — 3x3x¼, B — 3½x3¼
**New Flue Sizes—Conform to new modular dimensional system. Sizes shown are nominal. Actual size is ½ in. less each dimension.
Ash pit door—12x8 in all cases.

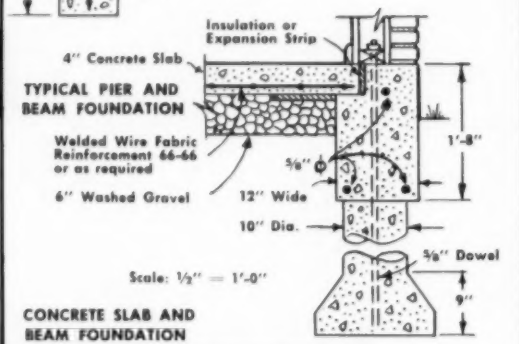
Two sets of flue lining dimensions appear in the table above, one for the old standard sizes and another for the nominal sizes of those conforming to the new, modular standard. Round sizes are also shown. By "nominal" size is meant actual size plus half an inch for each dimension as joint space. The modular movement seeks to reduce all sizes of installed materials to multiples or derivatives of a four inch "module".

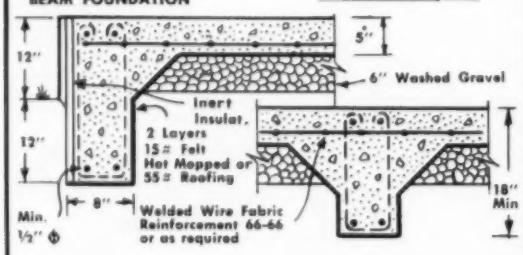
CONCRETE, MASONRY, TILE, BRICK

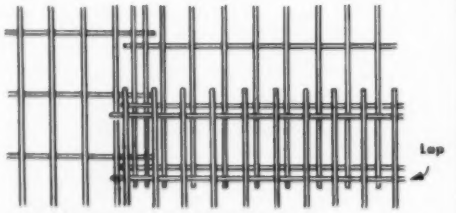
Selected Wire Reinforcement Details

7

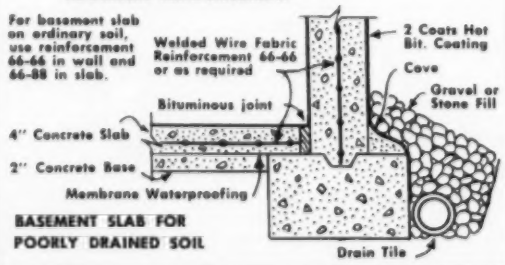








WELDED WIRE FABRIC SHOULD BE LAPPED AS INDICATED TO SECURE MAXIMUM REINFORCEMENT



BASEMENT SLAB FOR POORLY DRAINED SOIL

RECOMMENDED STYLES OF WELDED WIRE FABRIC FOR VARIOUS REINFORCED CONCRETE PROJECTS

TYPE OF CONSTRUCTION	RECOMMENDED STYLE	REMARKS
BARBECUE FOUNDATION SLAB	6x6-6/6 to 4x4-6/6	Use heavier fabric for heavier, more massive fireplaces or barbecue pits.
BASEMENT FLOORS	6x6-10/10 or 6x6-6/6	For small areas (15' maximum dimension) use 6x6-10/10. As a rule of thumb, the larger the area, the poorer the sub-soil, the heavier the gauge. Fabric must not pass through joints.
DRIVEWAYS	6x6-6/6	Continuous reinforcement between 25 to 30 foot contraction joints, 1½-3 inch clearance at sides and joints.
FOUNDATION SLABS (Residential only)	6x6-10/10	Use heavier gauge over poorly drained sub-soil, when maximum dimension is greater than 15 feet, or when heating ducts are embedded.
GARAGE FLOORS	6x6-6/6	Fabric must not pass through joints.
PATIOS & TERRACES	6x6-10/10	Use 6x6-6/6 if sub-soil is poorly drained.
PORCH FLOOR a. 6" thick slab up to 6' span b. 6" thick slab up to 8' span	 6x6-6/6 4x4-4/4	Position on nails or blocks one inch from bottom form to resist tensile stresses.
SIDEWALKS	6x6-10/10	Use heavier gauge over poorly drained sub-soil. Construct 25 to 30 foot slabs as for driveways, but form "dummy" joints for appearance. For narrow walk, cut lengths of fabric in half longitudinally.
STEPS (Free span)	6x6-6/6	Use heavier style if more than 5 risers. Position fabric 1 inch from bottom form.
STEPS (On the ground)	6x6-6/6	

Courtesy Wire Reinforcement Institute, Inc.

• GENERAL DATA

Resistance to the flow of heat through insulation installed in a wall, roof or slab is so much greater than that of other elements in the construction of a building that condensation may result in this insulation. Most insulations block heat but pass vapor. A simple prevention to condensation is to stop the flow of water vapor with some surface material that is impervious to moisture. Such a surface is called a vapor barrier. Vapor barriers are made from a variety of materials. They should be installed on the warm or interior side of walls and roofs; and they should be next to or part of the insulation. Since vapor behaves as a gas, the barrier should be airtight or as nearly so as possible. Permeability of vapor barriers is measured in Perms. A Perm equals the grains per sq. ft. per hr. per in. of mercury difference in vapor pressure at standard test conditions.

VENTILATION AND BARRIER REQUIREMENTS TO PREVENT CONDENSATION*

CONDENSATION ZONES

Zone 1. roughly includes design temps. of −20°F. & lower
Zone 2. from 0°F. to −10°.
Zone 3. areas warmer than 0°F.

Attic	TYPE OF ROOF	TOTAL FREE AREA OF VENTILATION	VAPOR BARRIERS Zone 1	Zone 2	Zone 3
Unheated	FLAT ROOF Slope less than 3/12 (ctr.)	1/300 Uniformly distributed at eaves. Free circulation through all spaces required	Required on warm side in top story ceiling.		
Unheated	CABLE ROOF Slope over 3/12	1/300 At least 2 louvers on opposite sides near ridge.	Required on warm side in top story ceil.	Considered unnecessary.	
Unheated	HIP ROOF	1/300 1/600 uniformly distributed at eaves & 1/600 at ridge with all spaces interconnected.	Recommended on warm side in top story ceiling.	Considered unnecessary.	
Heated	GABLE or HIP ROOF	(ctr.)	Recommended on warm side in top full story ceiling, dwarf walls sloping part of roof & attic story ceiling.		Considered unnecessary if insulation is omitted.

*The figure given indicates that the clear opening of vents totaled should be 1/300 of the bldg. area at eave line. Only 10% of given figure necessary if bsmt. has slab, or crawl space earth covered with 55# felt lapped 2".

• MATERIAL PERMEABILITY DATA

Forest Products Laboratory lists, in Perms, the water vapor permeability of various building materials as follows:

MATERIAL	WV Transmission Low	WV Transmission High
• Sheathing and Roofing Products		
15-lb. sheathing paper	2.555	3.847
15-lb. tar felt	1.560	4.055
30-lb. tar felt	33.304	.....
15-lb. asphalt felt	.560	2.007
30-lb. asphalt felt	.498	3.022
Asphalt-coated paper	.146	.287
55-lb. roll roofing	.030	.081
• Polyethylene Film		
0.002 in. thick	.....	.270
0.004 in. thick	.097	.108
• Insulation Back-up Paper		
Paraffin coating, 1 side	.133	.237
Single infused	.433	.583
Single infused, ribbed	.162	.232
Asphalt saturated, one side glossy	.327	.377
• Duplex or Laminated Products, Asphalt Laminae		
30-30-30 untreated	.447	1.081
30-60-30 untreated	.527	.....
30-100-30 untreated	.280	.....
30-30-30 untreated, creped	.583	1.812
30-30-30 untreated, reinforced	.305	.....
30-85-30 untreated, reinforced	.296	.654
30-120-30 untreated, reinforced	.346	.389
60-30-60 1 covering sheet saturated with asphalt	.935	1.037
Duplex paper-coated both sides with reflector's material	.226	.....
Duplex paper-coated both sides with reflector's material reinforced	.304	.347
Duplex paper-covered with aluminum foil one side	.001	.107
• Single Sheet Kraft, Double-Infused		
Asphalt-saturated Kraft	7.447 to 7.987	..... 11.656
Asphalt-saturated Kraft, 30% asphalt	30.764	.....
• Miscellaneous		
¾-in. fiberboard sheathing with light asphalt coat	6.320	8.460
½-in. gypsum sheathing	18.200	21.950
⅜-in. gypsum lath with aluminum foil backing	.061	.277
Aluminum foil mounted on paper backing	.003	.005
Premoulded membrane	.0066	.....

NEW ADDITION

TO THE FABULOUS FONTAINEBLEAU

Addition to Fontainebleau Hotel, Miami Beach, Florida

Architect: A. Herbert Mathes, Miami, Fla.
General Contractor: Taylor Construction Co., Miami, Fla.
Masonry Contractor: Kirkland Masonry Co., Hialeah, Fla.

FACTS ABOUT THE FONTAINEBLEAU ADDITION

The proportions of the new addition to the Fontainebleau are immense. For example, a ballroom that is 200 x 140 feet, the largest in the world. A theater-banquet room that will seat 4,000 at a dinner. Set up for a performance, it will seat 6,000. A new building with 400 hotel rooms is going up right alongside. A little over three miles of Keywall is being used as a masonry reinforcement in the new addition.

BUILT TO STAY YOUNG WITH

KEYWALL

galvanized masonry reinforcement

You can't be leaning over the shoulder of each mason all the time to make sure he uses the reinforcement right. Yet proper use of the reinforcement makes the difference between a building that stays young and one that ages fast. But what can you do?

Here's one man's answer. Masonry Contractor Hugh Kirkland says, "Lapping is the key to proper masonry reinforcement. Here's what I mean. Some masonry reinforcement is hard to lap. Too thick. By thick I mean an 1/8 inch in diameter. Lapped, that's a quarter inch. So, with a 5/8 inch mortar joint, you get little mortar around the wire. That means poor bond, poor embedment. So what happens? Most of the time reinforcement is butted, not lapped. That's even worse.

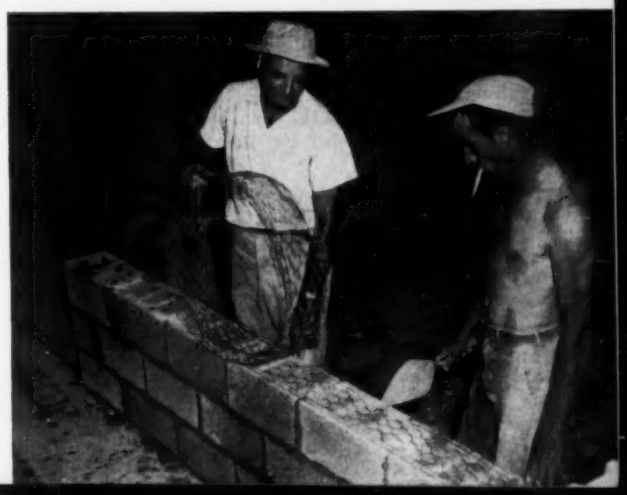
"We simply avoid the problem. We use Keywall. It comes in 200 foot rolls, not short lengths. So you very seldom have to lap it. And when you do, it's easy . . . easier than butting it. So of course, my men lap it. And when Keywall is lapped, there's still plenty of room for mortar.

"Keywall is a lot easier for my men to handle because it comes in rolls. It's easier to cut, too.

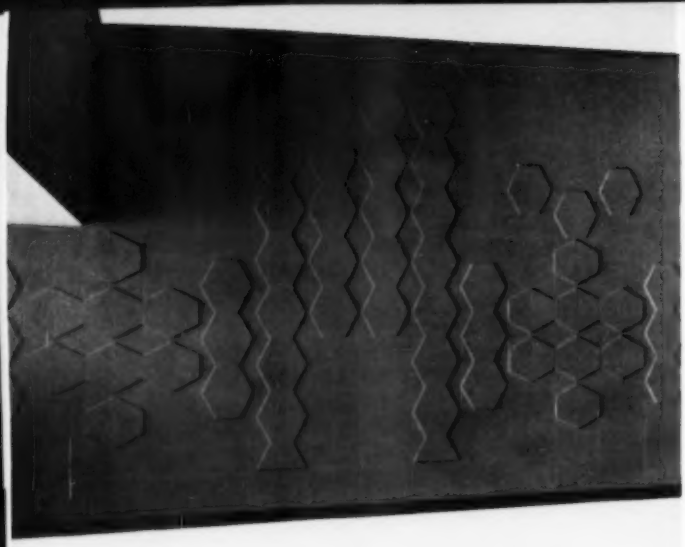
"But it's not only a matter of my men liking it. Keywall reduces shrinkage very effectively. And it's economical. What could be better than Keywall?"

KEYSTONE STEEL & WIRE COMPANY
Peoria 7, Illinois

KEYWALL • KEYMESH® • KEYCORNER • KEYDECK • WELDED WIRE FABRIC • NAILS



Just unroll it and you're ready to go. Joe Kuntz, Superintendent for the Masonry Contractor, Hugh Kirkland, shows how easy Keywall is to work with for the benefit of mason Fred Kinnaird. Keywall is made for wall thicknesses of 4", 6", 8", 10", and 12".



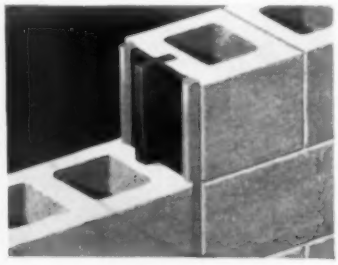
Long live the beauty of block!

—with Dur-o-wal to make it more than twice as strong!

When reinforced every second course with Standard Dur-o-wal, the flexural strength of a masonry wall increases 71 per cent—comparable to other types of reinforcement used every course. But Dur-o-wal can do even better. When Extra Heavy Dur-o-wal is used every course with Class A mortar, flexural strength increases a mighty 261 per cent!

Those are solid facts, established by independent engineering tests and research.

Builders everywhere are relying on Dur-o-wal's trussed design, butt-welded construction, scientifically deformed rods, to give good-looking modern masonry extra years of life. Nationally wanted, Dur-o-wal is nationally distributed. Wherever you build a masonry wall, you can get Dur-o-wal. See us in Sweet's Catalog.



Two engineered products that meet a need. Dur-o-wal reinforcement, shown at left, and Rapid Control Joint, right. Weatherproof neoprene flanges on the latter flex with the joint, simplify the caulking problem.

DUR-O-WAL®

Masonry Wall Reinforcement and Rapid Control Joint

RIGID BACKBONE OF STEEL FOR EVERY MASONRY WALL

Dur-O-wal. Div., Cedar Rapids Block Co., **CEDAR RAPIDS, IA.** Dur-O-wal. Prod., Inc., Box 628, **SYRACUSE, N. Y.** Dur-O-wal. Div., Frontier Mfg. Co., Box 49, **PHOENIX, ARIZ.** Dur-O-wal. Prod., Inc., 4500 E. Lombard St., **BALTIMORE, MD.** Dur-O-wal. of Ill., 119 N. River St., **AURORA, ILL.** Dur-O-wal. Prod. of Ala., Inc., Box 5446, **BIRMINGHAM, ALA.** Dur-O-wal. of Colorado, 29th and Court St., **PUEBLO, COLO.** Dur-O-wal. Inc., 165 Utah Street, **TOLEDO, OHIO**

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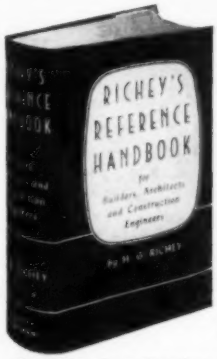

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No matter what branch of the building profession you're in, this huge handbook tells you what to use and how to do it. It gives you, not building theory, but up-to-date building FACTS. On every kind of construction operation, RICHEY tells you in plain language the method or methods that years of experience have proved sound and efficient. RICHEY warns you of costly pitfalls you must be careful to avoid . . . guides you in safe, fast economical building methods . . . helps you select the latest qualities, grades, types, sizes, etc. of building materials for best results.

PACKED WITH UP-TO-DATE BUILDING KNOW-HOW ON:

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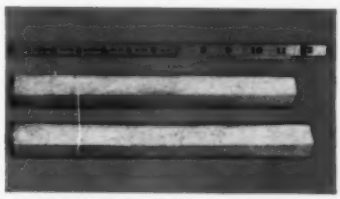
BRIXMENT

provides the ideal balance of 9 essential characteristics

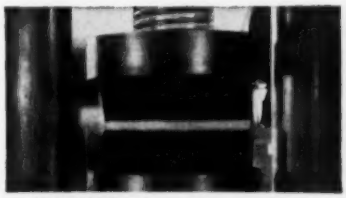
SOME mortars may be very strong, but lack other important properties such as workability, etc. Other mortars may be very plastic, yet lack necessary qualities such as durability, etc. *For good masonry construction at lowest cost, mortar must have a proper balance of ALL the essential characteristics shown below.*

Brixment mortar *does* combine these characteristics, to a higher degree than any other mortar. It is this *combination* of advantages that makes Brixment superior to any mixture of portland cement and lime—and which also accounts for the fact that Brixment has been the leading masonry cement for over 40 years.

PLASTICITY. Mix a batch of Brixment mortar, and a batch of 1-1-6 portland cement-and-lime mortar. Test each mortar by bedding a few bricks. You will find that the Brixment mortar is much more workable.

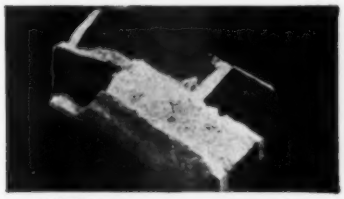


SOUNDNESS. Brixment meets the requirements of the ASTM and Federal specifications for autoclave soundness. This test proves that Brixment mortar does not expand after long exposure to weather.



STRENGTH. Brixment exceeds the requirements of the ASTM and Federal specifications for Type II masonry cement. Brixment mortar also meets the requirements of the ASTM specifications for Type N mortar.

LOW EFFLORESCENCE. Cap one brick with Brixment mortar, and another with cement-and-lime mortar. Let cure, then place in pan of shallow water. After a few days you will see that Brixment helps prevent efflorescence.

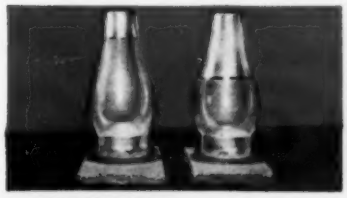


BOND. Brixment mortar's great plasticity and high water retaining capacity permit a more complete bedding of the brick, with greater area of contact between brick and mortar—hence tighter bond.

WATER RETENTION. Place a dab of Brixment mortar and a dab of 50-50 cement-and-lime mortar on a brick or concrete block. Wait a minute, then feel each mortar. High water retention makes Brixment mortar stay plastic longer.

DURABILITY. Make a cylinder of Brixment mortar and a cylinder of 50-50 cement-and-lime mortar — cure for 30 days—place cylinders in pan with ¼" of water and freeze and thaw. After a number of cycles, you will see that Brixment mortar is far more durable.

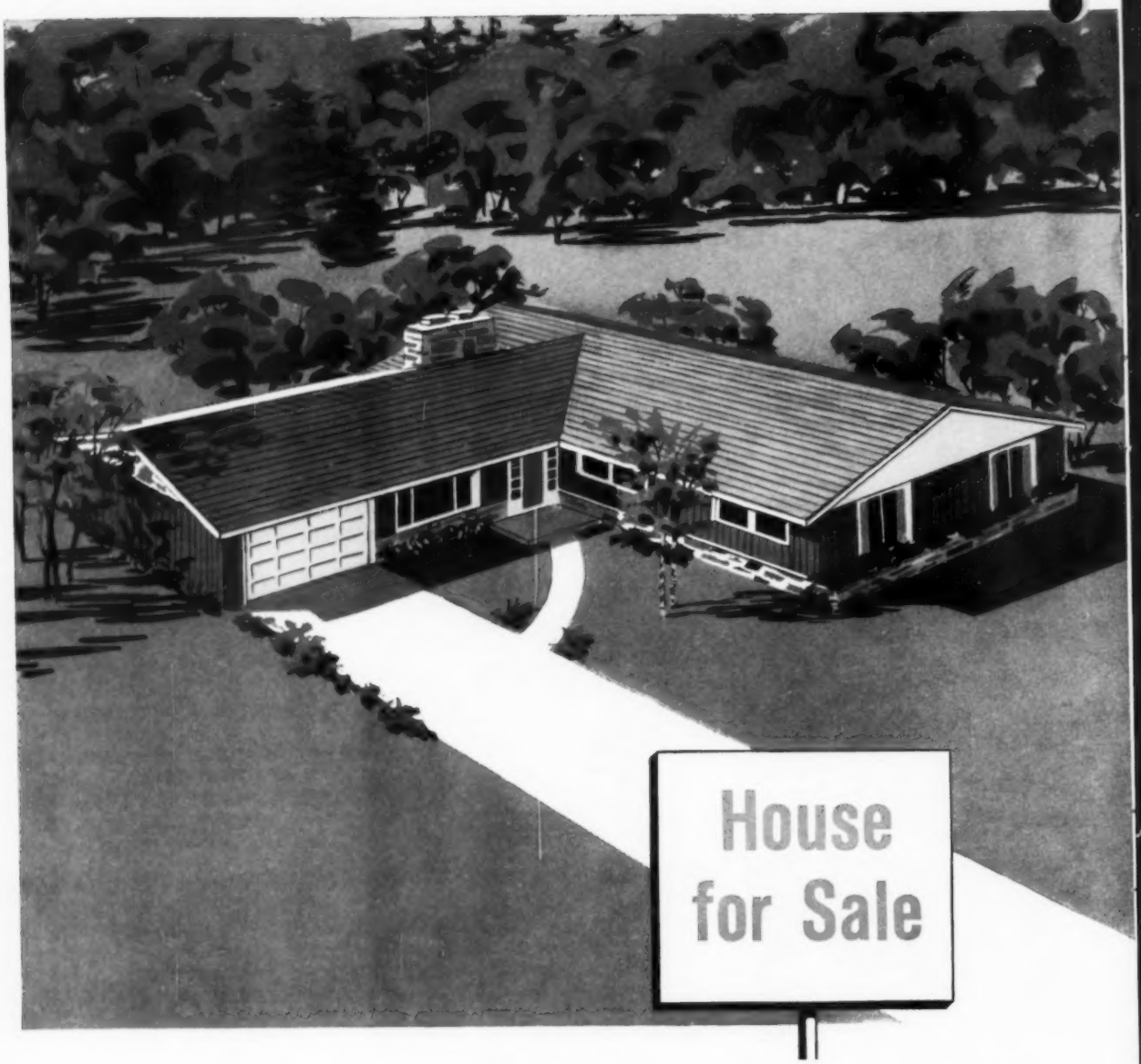
YIELD. Measure out 1 cu. ft. of sand (80 lbs.) and ⅓ bag of Brixment (23⅓ lbs.). Also measure out the same amount of sand and ⅓ bag of hydrated lime (8⅓ lbs.) and ⅓ bag of portland cement (15⅔ lbs.). Make a workable mortar from each batch, then place each batch into a box holding 1 cu. ft. You will find that Brixment mortar gives from 5% to 15% greater yield.



IMPERMEABILITY. Prepare a slab of Brixment mortar, and one with ordinary cement-and lime mortar. After they have hardened, wax-seal a lamp chimney to each slab, and fill with water. After 24 hours you will see that much less water has gone into or through the Brixment slab.

LOUISVILLE CEMENT COMPANY, LOUISVILLE 2, KENTUCKY

Cement Manufacturers Since 1830



The difference between this is often USS American Welded Wire

WHEN you use USS American Welded Wire Fabric for all concrete areas for the homes you build, you give them a definite sales advantage over houses without this important quality feature. Walks, patios, driveways and basement slabs will wear better, look better, and last longer when they're reinforced with USS American Welded Wire Fabric. And your customers know this . . . they know to ask before they buy "is it reinforced?"

Put this sales-pulling advantage to work for you. Use USS American Welded Wire Fabric in all your concrete work. Tell your prospects it costs only about a *penny* a day on the mortgage life to insure protection and appearance of concrete around the average home . . . that reinforced concrete will be in good condition even after the mortgage is paid. USS American Welded Wire Fabric adds 30% to the strength of concrete. It is made of cold-drawn steel wire and is prefabricated for quick, easy installation. It's available in a wide variety of styles and sizes. For more information, see your building supply dealer, or write to American Steel & Wire, Dept. 0156, 614 Superior Avenue, N.W., Cleveland 13, Ohio.

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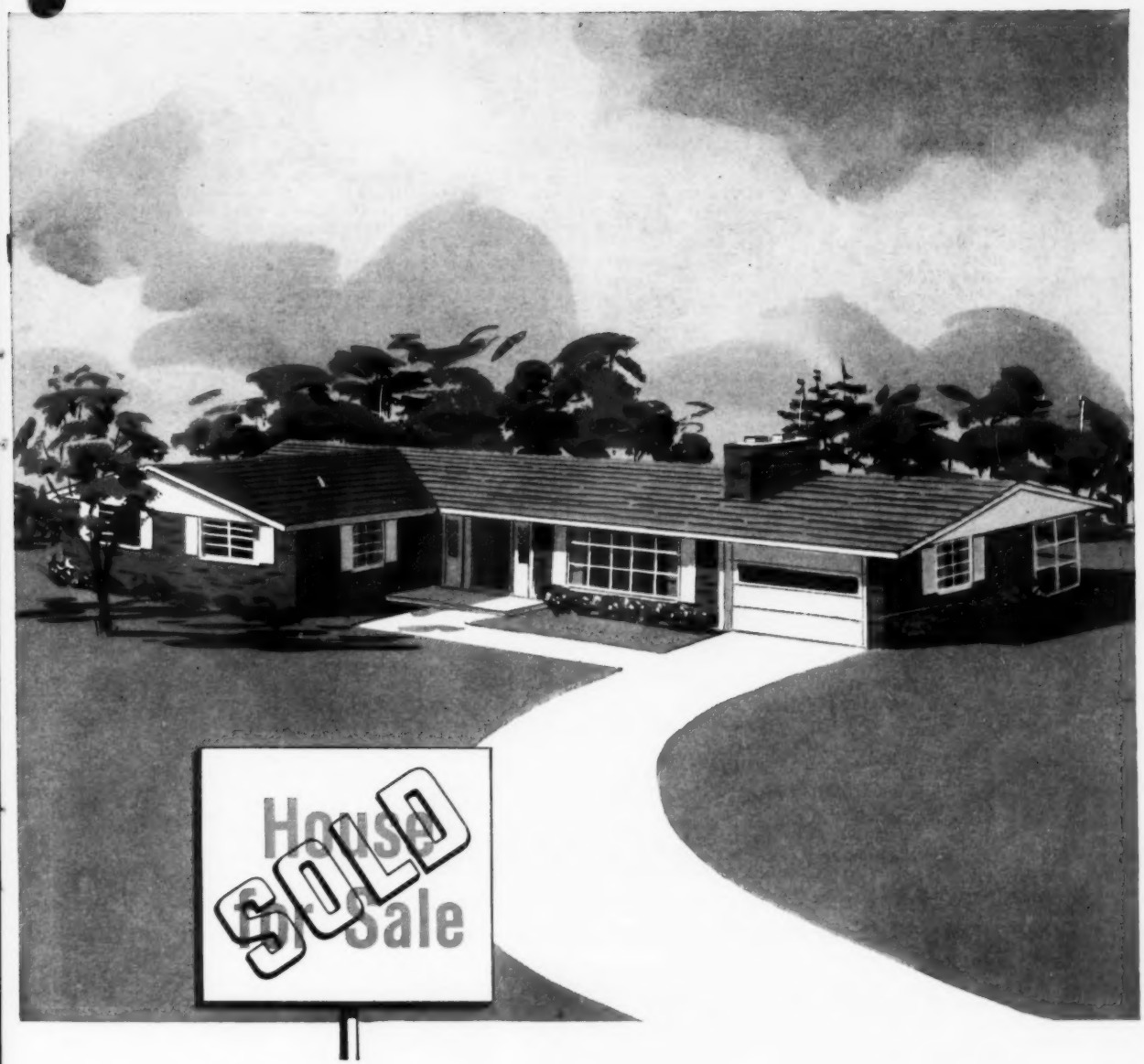

and this

Fabric for concrete reinforcement

Buyers will ask, *"is it Reinforced"*

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Division of
United States Steel

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(Continued from page 120)

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LOGAN Logan Clay Prods Co
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LO-HED American Engineering Co
LOKATOR Edwards Co Inc
LOKD BAR Hopes Windows Inc
LOK-FLANGE Reed Cromex Corp
LOK-FRAME Inland Steel Products Co
LO-K INSULATION Lockport Mills Inc
LUK-ON Certain-Teed Sales Corp
LOK-RIB Inland Steel Products Co
LOK-TAB Leigh Building Products Div
LOK-TAB Ruberoid Co
LOKTITE U S Expansion Bolt Co
LO-LOSS National Electric Div
LONE STAR Lone Star Cement Corp
LONE-STAR Binswander Glass Co
LONG BOY Wooster Brush Co
LONG LIFE Goodall Rubber Co Inc
LOOK-ALUMINUM Russel F C Co
LOS RANCHOS Midland Brick & Tile Co
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LOUVER-GLASS Kirlin Co
LOUVREX Blue Ridge Glass Corp
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LOXFRAME Loxcreen Co Inc
LOXON Sherwin-Williams Co
LOXSCREEN Loxcreen Co Inc
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LUSTARITE Mobile Paint Mfg Co
LUSTERLITE Insulite Div
LUSTERTONE Elkay Mfg Co
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LUSTRAGLASS American-Saint Gobain
LUSTRAVIEW Miami Cabinet Div
LUSTRAWHITE American-Saint Gobain
LUSTRE TONE O'Brien Corp
LUSTRELINE Zegers Inc
LUSTRE-UP O'Brien Corp
LUSTR-O-LITE Lustro Tile Mfg Co
LUSTRO-WARE Columbus Plastic Prods
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(Continued on page 146)

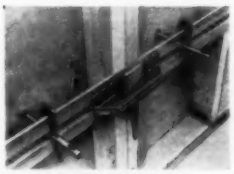
You can pour better walls FASTER and CHEAPER with...

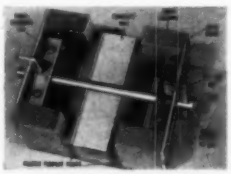
ROCFORM SYSTEMS

Now ROCFORM offers two great systems to meet every contractor's wall form needs in residential, industrial, commercial and institutional work.

THE ORIGINAL ROCFORM SYSTEM—Metal walers are permanently built into forms. Sections lock together with wedge-action clamps which eliminate nailing and make possibe 200 to 400 pours. Tapered steel tie rods automatically give desired wall thickness and can be used continuously. Inside round corner form and adjustable outside corner clamps allow for 3-inch variable and eliminate filler strips.

NEW ROCFORM ADAPT-A-CLAMP SYSTEM — Offers extreme flexibility of application. Use the complete Adapt-A-Clamp System or convert your present panels. Use permanent tie-rods or snap-ties as you prefer. With Adapt-A-Clamp hardware you can "tailor-make" a system suited to the exact requirements of any job and at the same time benefit from all the advantages of time-tested Rocform methods.


WEDGE-ACTION CLAMPS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OUTSIDE CORNER CLAMPS

SLIP ON ADAPT-A-CLAMP

INSERT TIE-ROD

SECURE TIE-ROD PIN

Only ROCFORM systems offer all the features, all the advantages wanted by concrete wall contractors today!

- **ELIMINATES** WOOD WALERS and 90% of bracing
- **FASTER SET-UP TIME,** because of simplification
- **FASTER STRIPPING TIME,** proven against the clock
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modern concrete

gives homes the special features that really spark sales!

There's practically no limit to the ways concrete can stimulate home-buyer interest and excitement. Cast-in-place, shaped, assembled, colored, polished—concrete fits the most imaginative ideas.

From striking masonry walls to unusual patios and yard accents, concrete adds that vital fresh appeal.

Today magazines and newspapers are giving increasing editorial emphasis to this versatile material. Special PCA advertising in top "home" publications—*Better Homes & Gardens*, *House Beautiful*, and *Living for Young Homemakers*—is adding to public interest in concrete and concrete masonry . . . in new-type *living* concrete!

Of course, concrete is your sure way to say "quality." Low on care, long on life, it promises sound investment. Idea literature is free to you on request. (U.S. and Canada only.)

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Dept. 4-3, 33 W. Grand Ave., Chicago 10, Ill.
A national organization to improve and extend the uses of concrete

A FEW WAYS CONCRETE CAN CREATE EXTRA BUYER APPEAL

1. Concrete slab floor of gleaming terrazzo.
2. Patio of cast-in-place concrete with exposed aggregate.
3. Driveway in bright, clean concrete.
4. Swimming pool of lifetime concrete.
5. Garden wall of concrete masonry grille block.
6. Tree curbing of concrete masonry split block.
7. Carport screen of 3-D concrete masonry units.

POURING BASEMENTS CAN BRING EXTRA PROFITS and STRONGER FOUNDATIONS

SIMPLEX makes it easy . . . it is a fast and flexible forming system

SET FASTER

Now finish a complete foundation in 16-24 man hours with only 3 men! Simplex Forms go up with ease. Inner and outer forms are "keyed" for speed . . . are set simultaneously. Tie rods are quickly positioned . . . patented locking levers are tapped in place; exclusive cam action draws panels tight.

POUR FASTER

Simplex Forms are strong! Their rigid assembly permits fast pouring. Pour at one corner or four corners at a time. Vibrating concrete won't shift or loosen forms as they are locked firmly in place. Each panel automatically adjusts to the condition of the footing.

STRIP AND MOVE FASTER

Simplex Forms are 1⅛" plastic-impregnated (9-ply) plyglaze. This insulates in winter . . . easier to handle than steel in summer. Forms are unlocked by tapping levers upward . . . forms are easy to lift (2′ x 8′ forms weigh only about 65 lbs.). Because locking hardware is bolted to each form there are fewer man-hours required to strip and move. A complete set of forms and accessories can be moved on a 12-foot bed truck! One trip between jobs.

SMOOTH, ACCURATE WALLS

Simplex Forms produce walls with the look of architectural concrete. Because panels are drawn together snugly, seam marks are minimized . . . positive wall dimension is assured! This means accuracy that counts in customer-satisfaction, home salability, and surer erecting—especially of pre-fabs.

THE WORLD'S FASTEST METHOD OF CONCRETE FORMING
Simplex FOOT-A-MINUTE forms

Send for Complete Details

Enclose your foundation sketches for estimate!

SIMPLEX FORMS SYSTEM, INC.

5619 Industrial Avenue

Rockford (Loves Park) Illinois

BRAND NAMES DIRECTORY

(Continued from page 144)

LYFALUM Lyf-Alum Inc
LYNRUS Price Fire & Water Proofing Co
LYNRUS FR-1 Price Fire & Water Proofing Co
LYNTON Fabrikona Inc
LYT-ALL Pratt & Lambert Inc
M-D Macklanburg-Duncan Co
M-DECK Mahon R C Co
M-1000 DOOR Morgan Company
MACK Mack Trucks Inc
MACO-CRAFT Maco Corp
MADE-RITE Anson & Gilkey Co
MADUCO Macklanburg-Duncan Co
MAESTRO COLORS Pittsburgh Plate Glass Co
MAGIC LINK Modernaire Corp
MAGIC-FOLD Closures Sales Corp
MAGIC-FOLD DOOR Clopay Corp
MAGI-GREEN Lockrey Co
MAGIKOTER Wooster Brush Co
MAGNA-LINE Skyline Industries Sales
MAGNALITE (Level) Graham John H
MAGNELITE Scharf J H Mfg Co
MAGNESITE UNDERLAYMENT Thomas Moulding Floor Co Inc
MAGNOLIA Southern Cement Co
MAGNOLIA (Carpet) Luxor Carpet Co
MAG-O-CRETE Camp Co Inc
MAID-MATIC DISHWASHER James Manufacturing Company Inc
MAID OF ATHENS Athens Stove Works
MAINLINER Aurora Pump Div
MAJOR LINE Major Line Prods Co Inc
MAKE YOUR OWN Larson Chas O Co
MAL-LEAD BOLT ANCHOR Arro Expansion Bolt Co
MALT-A-GLIDE Malta Mfg Co
MALT-A-MATIC Malta Mfg Co
MALTA TOWN AND COUNTRY Malta Manufacturing Co
MALT-A-VENT Malta Mfg Co
MALTESE CROSS BRAND Seattle Cedar Lumber Mfg Co
MANHATTAN Raybestos-Manhattan Inc
MARAUDER Ottawa Steel Div
MAR-GON United Gilsonite Laboratories
MARB-L-COTE National Chemical & Mfg
MARBLE FLAIR Wallace Mfg Co
MARBLETRED Thomas Moulding Floor
MARCO FOLDING STAIRWAYS Fabricon Company
MARDI-GRAS United States Plywood
MARIGOLD Heilig Bros Co
MARINITE Johns-Manville Corp
MARKWA Vermont Marble Co
MARLITE BLOCK Marsh Wall Prods Inc
MARLITE CELESTIAL Marsh Wall Prods
MARLITE HI GLOSS Marsh Wall Prods
MARLITE KORELOCK Marsh Wall
MARLITE MARBLE PANEL Marsh Wall
MARLITE PEG-BOARD Marsh Wall
MARLITE PLANK Marsh Wall Prods Inc
MARLITE POLISH Marsh Wall Prods Inc
MARLITE RANDOM PLANK Marsh Wall
MARLITE TRENDWOODS Marsh Wall
MAR-NOT Rayco Products Inc
MARSCHKE Grinding & Polishing Mach
MARSH MOULDINGS Marsh Wall Prods
MARTHA WASHINGTON Gray & Dudley
MARVAIR Muncie Gear Co
MARVAN TAPE Marvan Corp
MARVEL Marvel Equipment Co
MARVEL ADJUSTABLE TRESTLE Marvel Equipment Co
MARVEL A-JUSTO FRAME Marvel Equipment Company
MARVEL JR LIGHT-WEIGHT Marvel Equipment Company
MARVEL-LIFT Crawford Door Co
MARVELWITE Sonneborn L Sons Inc

(Continued on page 180)

PERMALITE CONCRETE
in Light Construction

• INSULATING

20 times the insulation of ordinary concrete. 2″ of insulating concrete offers more insulation than 1″ of most insulation boards. Slope to drain and insulate in one operation.

• LIGHT IN WEIGHT

Concrete mixed with Permalite expanded perlite aggregate weighs from 22 to 36 lbs/cu.ft., with compressive strengths of 95 to 440 psi. Permalite-sand blends offer strengths in excess of 1,000 psi.

• COST SAVING

Permalite concrete combines roof deck and insulation in one easy-to-place slab. Low deadload permits lighter beams and joists, incombustible deck offers insurance savings.

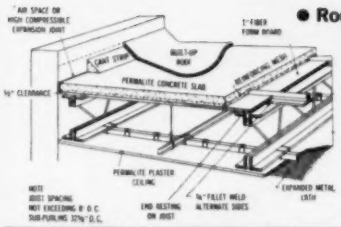
• OTHER ADVANTAGES

Fire safe. Can't rot or decay. Termite-proof and vermin-proof. Not damaged by water. Can be job-mixed, transit-mixed or precast. Easy placement on flat, curved or pitched surfaces. Drill, nail or saw with carpenter's tools.

Permalite expanded perlite offers many advantages in insulating core fill, in acoustical plaster and in lightweight plaster. See your franchisee.

• Permalite expanded perlite aggregate is produced only by licensed franchisees from ore supplied by Great Lakes Carbon Corporation.

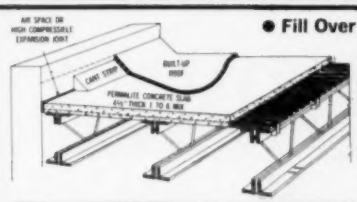
• Roof Deck Over Formboard



Offers weight savings up to 4 lbs/sq. ft. over many other poured-in-place decks of comparable insulating value.

Permalite Thickness	1″ fiber board "U"	1″ fiber board Wt. psf	1″ glass fiber board "U"	1″ glass fiber board Wt. psf	1″ asbestos-cement board "U"	1″ asbestos-cement board Wt. psf
2½″	0.121	7.00	0.106	6.60	0.182	8.25
3″	0.109	8.10	0.097	7.75	0.158	9.35
3½″	0.100	9.25	0.090	8.90	0.139	10.50
4″	0.092	10.35	0.083	10.00	0.124	11.60

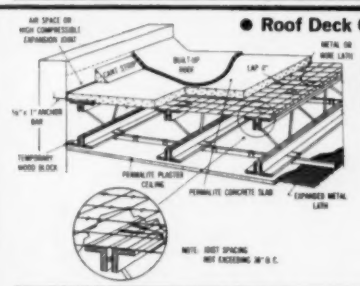
• Fill Over Corrugated Steel Deck



Permalite insulating concrete, poured monolithically over galvanized corrugated steel sheet welded to structural supports. Low in cost, exceptionally strong and well-insulated. Suitable where wide spans or high load carrying capacity are required.

Thickness over Corrugations	Depth of Corrugations ½″ "U" value	½″ Wt.*	¾″ "U" value	¾″ Wt.*	1¼″ "U" value	1¼″ Wt.*
2″	.200	6.00	.192	6.50	.177	7.45
3″	.149	8.25	.144	8.85	.136	9.70
4″	.118	10.25	.115	11.10	.110	11.95

• Roof Deck Over Metal or Wire Lath



Low cost solutions combining light structural strength, insulation and permanence, where joist or sub-purlin spacing does not exceed 36″ on centers.

***NOTE:**
Weights shown are lbs/sq. ft. for 1:6 mix and include dry weight of Permalite concrete and permanent form. Add 6.00 lbs/sq. ft. for 4-ply built-up roof.

Thickness over Joists	Paperbacked Wire Mesh "U" value	Paperbacked Wire Mesh Wt.*	Ribbed Metal Lath "U" value	Ribbed Metal Lath Wt.*
2″	0.185	5.98	0.219	5.25
3″	0.140	8.23	0.159	7.50
4″	0.112	10.48	0.125	9.75

• Floor and Slab Construction

Sub-slab of Permalite insulating concrete under radiant heating systems can reduce heat loss by 25%.

COLORADO Persolite Products, Inc., Denver 4 **FLORIDA** Airlite Processing Corp. of Florida, Vero Beach **ILLINOIS** Silbrico Corp., Chicago 38. Ryolex Corp., Champaign **INDIANA** Airlite Processing Corp., Scottsburg **MASSACHUSETTS** The Whittemore Co., Cambridge **MICHIGAN** Gregg Products Co., Grand Rapids **MINNESOTA** Minnesota Perlite Corp., Minneapolis **MISSOURI** J. J. Brouk & Co., St. Louis 10 **NEW JERSEY** Certified Industrial Products, Inc., Hillside **NEW YORK** Buffalo Perlite Corp., Buffalo 25 (Cheektowaga) **PENNSYLVANIA** Pennsylvania Perlite Corp., Allentown. Pennsylvania Perlite Corp. of York, York. Perlite Manufacturing Co., Carnegie **TEXAS** Perlite of Houston, Inc., Houston. Texas Lightweight Products Co., Irving **VIRGINIA** Perlite Corp., Hopewell. **CANADA** Western Perlite Co. Ltd., Calgary, Alberta. Perlite Products, Ltd., Winnipeg, Manitoba. Perlite Industries, Reg'd., Ville St. Pierre, Quebec. **CUBA** West Indies Perlite Manufacturing Corp. S.A., Havana. **MEXICO** Materiales Carr, S.A., Mexico 5, D.F.

Call your nearest Permalite Franchisee or send coupon to

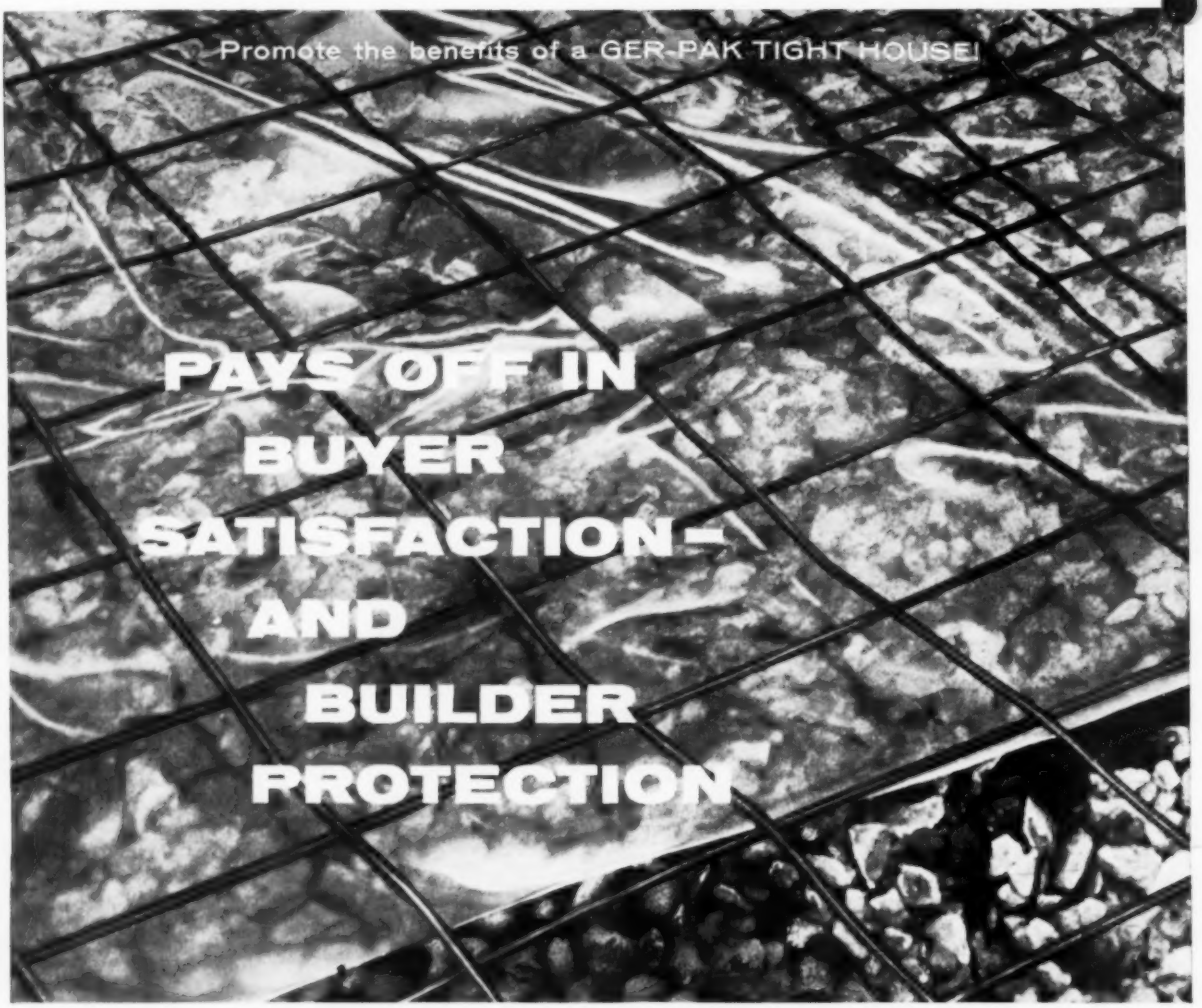
Permalite®

Perlite Dept.,
GREAT LAKES CARBON CORPORATION
612 So. Flower Street, Los Angeles 17, Calif

I would like information on Permalite in:

☐ Roof Decks ☐ Insulating Floor Fill ☐ Acoustical Plaster
☐ Fireproofing ☐ Core Fill Insulation ☐ Lightweight Plaster
☐ Lightweight Concrete ☐ Ready-Mix Concrete

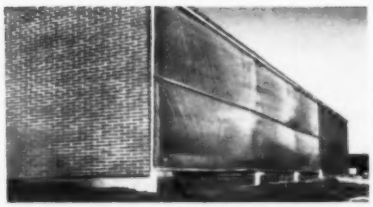
Name_____
Company_____
Address_____
City_____ Zone____ State____



Banish cellar floor dampness complaints. Use GER-PAK Polyethylene Sheeting—the low cost water vapor barrier that provides positive protection under concrete slabs. Meets, by a wide margin, the requirements of F.H.A., Corps of Engineers standards, and complies with U.S. Dept. of Commerce CS-227-59 standards. GER-PAK eliminates splices and overlaps because it comes in SEAMLESS widths up to 40 feet! GER-PAK's easy-to-work-with nature lets you do your job exactly as specified on your blueprints—quickly, efficiently, perfectly!

Low-cost GER-PAK's versatility works with you many other ways. Gives superior dust and water vapor sealing between floors; protects materials and equipment from weather; in side walls prevents water vapor damage; plus dozens of other on-the-job uses.

You'll find tough, lightweight, dependable GER-PAK available in CLEAR, BLACK or opaque WHITE in the broadest range of seamless widths and stock thicknesses up to 10 mil. For truly superior polyethylene sheeting, specify GER-PAK to your dealer! Send for free samples.



CLOSING-IN framed structures or unfinished windows and doors lets you stick to your schedule right through bad weather.

The short way to say **superior** polyethylene sheeting

GER-PAK®

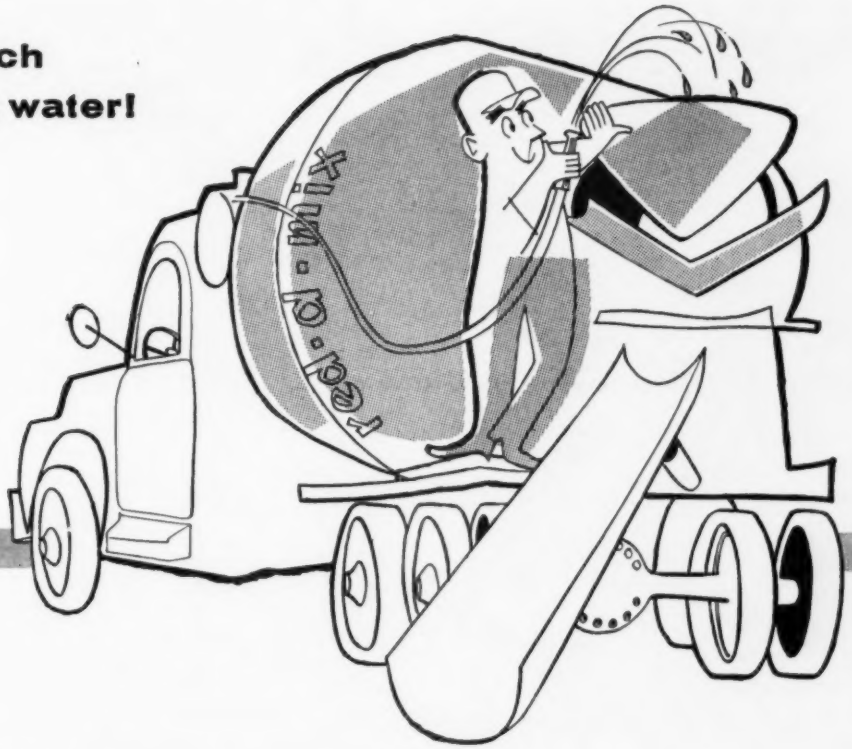
GERING PLASTICS division of **STUDEBAKER-PACKARD CORP., Kenilworth, N. J.**

Conveniently warehoused in: Kenilworth, N.J. • Dallas, Texas • Memphis, Tennessee • Chicago, Illinois • Los Angeles, California • Oakland, California

For your local GER-PAK distributor... Find it Fast In The 'Yellow Pages'

SEE OUR CATALOG FILE IN SWEET'S

watch that water!

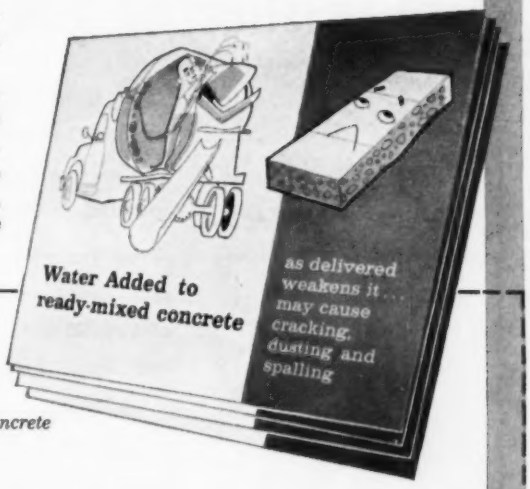


For quality concrete . . . don't add extra water!

Ready-mixed concrete is designed for the job and delivered with all the water needed. Adding more can only cause trouble—cracking, spalling, dusting.

Reminding crews of this is important to your reputation for quality work. Do it easily by displaying the special poster (pictured at right) prepared by PCA.

It's one of a set of 4 posters reminding workers to safeguard quality by protecting concrete against heat, wind and freezing. A set is yours for the asking. (Free in U.S. and Canada only.) Just send the coupon.



FREE . . . SEND FOR YOUR POSTERS TODAY!

PORTLAND CEMENT ASSOCIATION
Dept. 4-3, 33 W. Grand Ave., Chicago 10, Illinois
A national organization to improve and extend the uses of concrete

Please send a free set of Quality Reminder posters.
I could also make use of ( ) additional sets.

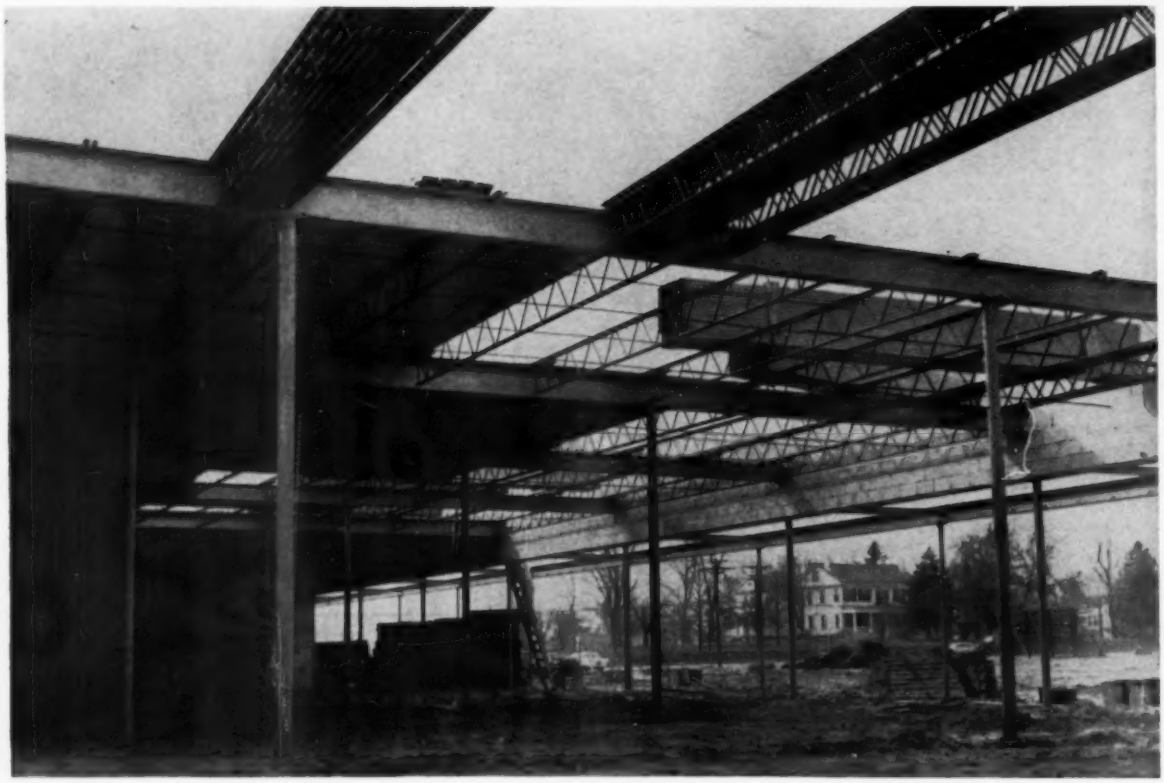
COMPANY NAME_____

YOUR NAME_____

ADDRESS_____

CITY_____ STATE_____

Quality Reminder posters, 22" x 17", 3 colors. Sets of 4 are free.



LACLEDE STEEL JOISTS

speed construction time for a modern shopping center

Here's another example of fast, economical construction with Laclede Open Web Steel Joists. In the new Monticello Plaza Shopping Center, Godfrey, Ill., more than 60,000 square feet of roof area is spanned efficiently with 65 tons of Laclede joists.

These lightweight, high strength structural members are quickly and easily set in place . . . bolted . . . stabilized horizontally with continuous horizontal bridging . . . and covered with steel deck . . . a fast, simple form of modern construction.

Architects and engineers for the Monticello Plaza Shopping Center are S. T. Pabst and Associates. General contractor is Wolff Construction Co.

STEEL JOIST MEMBER SJI INSTITUTE

LACLEDE ®

LACLEDE STEEL COMPANY

SAINT LOUIS, MISSOURI ◆ Producers of Steel for Industry and Construction

Lumber Calculator — Board Feet

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'
4 x 4	10⅔	13⅓	16	18⅔	21⅓	24	26⅔	29⅓	32	34⅔	37⅓	40	42⅔	45⅓	48	50⅔	53⅓
4 x 6	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
4 x 8	21⅓	26⅔	32	37⅓	42⅔	48	53⅓	58⅔	64	69⅓	74⅔	80	85⅓	90⅔	96	101⅓	106⅔
4 x 10	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓
4 x 12	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160
4 x 14	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177⅓	186⅔
4 x 16	42⅔	53⅓	64	74⅔	85⅓	96	106⅔	117⅓	128	138⅔	149⅓	160	170⅔	181⅓	192	202⅔	213⅓
6 x 6	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
6 x 8	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160
6 x 10	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
6 x 12	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
6 x 14	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280
6 x 16	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320
8 x 8	42⅔	53⅓	64	74⅔	85⅓	96	106⅔	117⅓	128	138⅔	149⅓	160	170⅔	181⅓	192	202⅔	213⅓
8 x 10	53⅓	66⅔	80	93⅓	106⅔	120	133⅓	146⅔	160	173⅓	186⅔	200	213⅓	226⅔	240	253⅓	266⅔
8 x 12	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320
8 x 14	74⅔	93⅓	112	130⅔	149⅓	168	186⅔	205⅓	224	242⅔	261⅓	280	298⅔	317⅓	336	354⅔	373⅓
8 x 16	85⅓	106⅔	128	149⅓	170⅔	192	213⅓	234⅔	256	277⅓	298⅔	320	341⅓	362⅔	384	405⅓	426⅔
10 x 10	66⅔	83⅓	100	116⅔	133⅓	150	166⅔	183⅓	200	216⅔	233⅓	250	266⅔	283⅓	300	316⅔	333⅓
10 x 1"	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
10 x 14	93⅓	116⅔	140	163⅓	186⅔	210	233⅓	256⅔	280	303⅓	326⅔	350	373⅓	396⅔	420	443⅓	466⅔
10 x 16	106⅔	133⅓	160	186⅔	213⅓	240	266⅔	293⅓	320	346⅔	373⅓	400	426⅔	453⅓	480	506⅔	533⅓
12 x 12	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'
1 x 2	1⅓	1⅔	2	2⅓	2⅔	3	3⅓
1 x 3	2	2½	3	3½	4	4½	5
1 x 4	2⅔	3⅓	4	4⅔	5⅓	6	6⅔
1 x 5	3⅓	4⅙	5	5⅚	6⅔	7½	8⅓
1 x 6	4	5	6	7	8	9	10
1 x 8	5⅓	6⅔	8	9⅓	10⅔	12	13⅓
1 x 10	6⅔	8⅓	10	11⅔	13⅓	15	16⅔
1 x 12	8	10	12	14	16	18	20
1 x 14	9⅓	11⅔	14	16⅓	18⅔	21	23⅓
1 x 16	10⅔	13⅓	16	18⅔	21⅓	24	26⅔
1 x 18	12	15	18	21	24	27	30
1 x 20	13⅓	16⅔	20	23⅓	26⅔	30	33⅓

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'
5/4 x 2	1⅔	2 1/12	2½	2 11/12	3⅓	3¾	4⅙
5/4 x 3	2½	3⅛	3¾	4⅜	5	5⅝	6¼
5/4 x 4	3⅓	4⅙	5	5⅚	6⅔	7½	8⅓
5/4 x 5	4⅙	5 5/24	6¼	7 7/24	8⅓	9⅜	10 5/12
5/4 x 6	5	6¼	7½	8¾	10	11¼	12½
5/4 x 8	6⅔	8⅓	10	11⅔	13⅓	15	16⅔
5/4 x 10	8⅓	10 5/12	12½	14 7/12	16⅔	18¾	20⅚
5/4 x 12	10	12½	15	17½	20	22½	25
6/4 x 2	2	2½	3	3½	4	4½	5
6/4 x 3	3	3¾	4½	5¼	6	6¾	7½
6/4 x 4	4	5	6	7	8	9	10
6/4 x 5	5	6¼	7½	8¾	10	11¼	12½
6/4 x 6	6	7½	9	10½	12	13½	15
6/4 x 8	8	10	12	14	16	18	20
6/4 x 10	10	12½	15	17½	20	22½	25
6/4 x 12	12	15	18	21	24	27	30

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'
2 x 4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	14⅔	16	17⅓	18⅔	20	.....	.....	....	.....	.....
2 x 6	8	10	12	14	16	18	20	22	24	26	28	30	32	.....	....	.....	.....
2 x 8	10⅔	13⅓	16	18⅔	21⅓	24	26⅔	29⅓	32	34⅔	37⅓	40	42⅔	45⅓	48	50⅔	53⅓
2 x 10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔
2 x 12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
2 x 14	18⅔	23⅓	28	32⅔	37⅓	42	46⅔	51⅓	56	60⅔	65⅓	70	74⅔	79⅓	84	88⅔	93⅓
2 x 16	21⅓	26⅔	32	37⅓	42⅔	48	53⅓	58⅔	64	69⅓	74⅔	80	85⅓	90⅔	96	101⅓	106⅔
3 x 4	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
3 x 6	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
3 x 8	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
3 x 10	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
3 x 12	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
3 x 14	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140
3 x 16	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160

8

Fiber Stress — 18:000#

BEAM SIZE	BEAM WEIGHT	SPAN IN FEET 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4"	8.5	9.5	7.6	6.3	5.4	4.7	4.2	3.8										
	10.5	10.7	8.5	7.1	6.1	5.3	4.7	4.3										
5"	10.0	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3									
	12.25	16.2	13.0	10.8	9.3	8.1	7.2	6.5	5.9									
	14.75	18.0	14.4	12.0	10.3	9.0	8.0	7.2	6.5									
6"	12.5	21.8	17.4	14.5	12.5	10.9	9.7	8.7	7.9	7.3	6.7	6.2						
	14.75	23.8	19.0	15.9	13.6	11.9	10.6	9.5	8.7	7.9	7.3	6.8						
	17.25	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	7.4						
7"	15.3	31.0	24.8	20.7	17.7	15.5	13.8	12.4	11.3	10.3	9.5	8.9	8.3	7.7				
	17.5	33.4	26.7	22.2	19.1	16.7	14.8	13.3	12.1	11.1	10.3	9.5	8.9	8.3				
	20.0	36.0	28.7	24.0	20.5	18.0	16.0	14.4	13.1	12.0	11.1	10.3	9.6	9.0				
8"	18.4	42.7	34.1	28.5	24.4	21.3	19.0	17.1	15.5	14.2	13.1	12.2	11.4	10.7	10.0	9.5	9.0	8.5
	20.5	45.2	36.1	30.1	25.8	22.6	20.1	18.1	16.4	15.1	13.9	12.9	12.0	11.3	10.6	10.0	9.5	9.0
	25.5	51.1	40.9	34.1	29.2	25.5	22.7	20.4	18.6	17.0	15.7	14.6	13.6	12.8	12.0	11.4	10.8	10.2
9"	21.8	56.6	45.3	37.7	32.3	28.3	25.2	22.6	20.6	18.9	17.4	16.2	15.1	14.2	13.3	12.6	11.9	11.3
	25.0	60.9	48.7	40.6	34.8	30.5	27.1	24.4	22.2	20.3	18.7	17.4	16.2	15.2	14.3	13.3	12.8	12.2
	30.0	67.6	54.1	45.1	38.6	33.8	30.0	27.0	24.6	22.5	20.8	19.3	18.0	16.9	15.9	15.0	14.2	13.5
	35.0	74.2	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.7	22.8	21.2	19.8	18.6	17.3	16.5	15.6	14.8
10"	30.0	80.1	64.1	53.4	45.8	40.1	35.6	32.0	29.1	26.7	24.6	22.9	21.4	20.0	18.8	17.8	16.9	16.0
	35.0	87.5	70.0	58.3	50.0	43.7	38.9	35.0	31.8	29.2	26.9	25.0	23.3	21.9	20.6	19.4	18.4	17.5
	40.0	94.8	75.8	63.2	59.2	47.4	42.1	37.9	34.5	31.6	29.2	27.1	25.3	23.7	22.3	21.1	20.0	19.0

The loads are given in kips, a kip being 1,000 lbs.

SAFE LOADS FOR STEEL PIPE COLUMNS IN KIPS*

NOMINAL SIZE in INCHES	ACTUAL DIAMETER in INCHES	WEIGHT LBS. per FT.	LENGTH IN FEET 5	6	7	8	9	10	11	12	13	14
2	2⅜	3.65	12.2	10.6	9.0	7.4	6.6	5.8	5.0	4.1	3.3	
2½	2⅞	5.79	21.6	19.4	17.3	15.1	12.9	11.4	10.3	9.2	8.1	7.0
3	3½	7.58	29.0	28.6	26.3	24.0	21.7	19.4	17.1	15.2	14.0	12.9
3½	4	9.11	34.8	34.8	34.1	31.7	29.3	26.9	24.5	22.1	19.7	18.0
4	4½	10.79	41.2	41.2	41.2	40.1	37.6	35.1	32.6	30.0	27.5	25.0
4½	5	12.54	48.0	48.0	48.0	48.0	46.4	43.8	41.2	38.5	35.9	33.3
5	5⅝	14.62	55.9	55.9	55.9	55.9	55.9	54.2	51.5	48.7	46.0	43.2
6	6⅝	18.97	72.5	72.5	72.5	72.5	72.5	72.5	72.5	70.2	67.3	64.3

*The loads are given in kips, a kip being 1,000 lbs.

SAFE LOADS FOR I-BEAM COLUMNS IN KIPS*

American Standard Sections

DEPTH in INCHES	AREA in SQ. IN.	LBS. per SQ. FT.	LENGTH IN FEET 3	4	5	6	7	8	9	10	11	12	13	14
3	1.64	5.7	23.5	20.3	17.2	14.6	12.3	10.5						
4	2.21	7.7	33.0	29.1	25.3	21.8	18.7	16.1	13.9					
5	2.87	10.0	43.1	39.7	35.1	30.7	26.8	23.4	20.4	17.9				
6	3.61	12.5	54.2	52.1	46.9	41.8	37.0	32.7	28.9	25.5	22.6	20.2		
7	4.43	15.3	66.5	65.9	60.0	54.1	48.5	43.3	38.6	34.5	30.8	27.6	24.7	
8	5.34	18.4	80.1	80.1	74.9	68.3	61.8	55.7	50.1	45.0	40.5	36.5	33.0	29.8
9	6.32	21.8	94.8	94.8	91.2	83.9	76.7	69.7	63.2	57.2	51.8	47.0	42.6	38.7
10	7.38	25.4	110.7	110.7	109.5	101.7	93.8	86.0	78.7	71.8	65.6	59.7	54.5	48.8

*The loads are given in kips, a kip being 1,000 lbs.

EXAMPLES:

To find correct I-beam size:

1. Determine uniformly distributed load.
2. Locate this load figure in column under span in feet.
3. Read size and weight of required beam in column at extreme left.

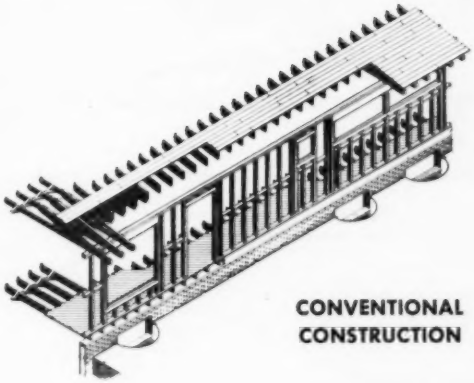
To find pipe column size:

1. Determine load in kips. If column is to support center of beam supported at ends divide load in half.
2. Locate nearest load figure in column under required length.
3. Read size of pipe required in column at extreme left.

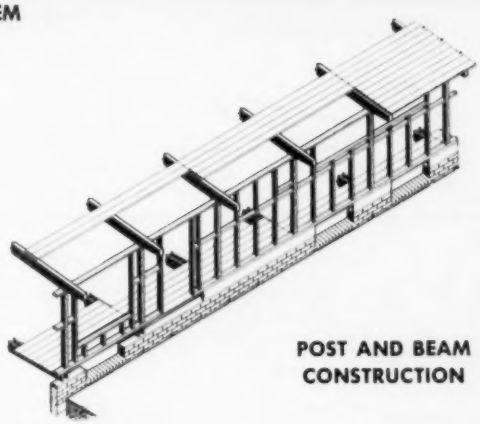
To find I-beam column size:

Follow same procedure as outlined for pipe columns.

THE SYSTEM



CONVENTIONAL CONSTRUCTION



POST AND BEAM CONSTRUCTION

SOME NOTES ON THE SYSTEM

The plank or post and beam system for the construction of floors and roofs in today's houses is uniquely adaptable to the modern design trends toward one-story structures, large glass areas, modular coordination, open-space planning, and, if desired, "natural finish" materials.

It is characterized by the concentration of structural loads on fewer and larger sized pieces than in conventional construction, resulting in rapid site assembly with fewer man-hours. Dual function of materials and the use of planks continuous over two or more spans result in further economy.

Adapted from heavy timber construction, the system is used for floors and roofs in combination with ordinary wood stud or masonry walls, or curtain wall construction with skeleton frame.

There are limitations to the system. There is less freedom in placing interior partitions. Insulation may be slightly more expensive, and wiring will have to be planned differently than in conventional construction.

Don't be unduly disturbed by these problems. Usually they can be solved without too much trouble. Nevertheless, because of the load concentration and the exposed structural members, a well-engineered design, good material, and good workmanship are vitally important in a post and beam house.

If you are planning to build a post and beam house and want design information, or if you are simply curious about the system, a fine manual has been published by the Housing and Home Finance Agency, Washington 25, D.C., called *Plank-and-Beam System for Residential Construction.*

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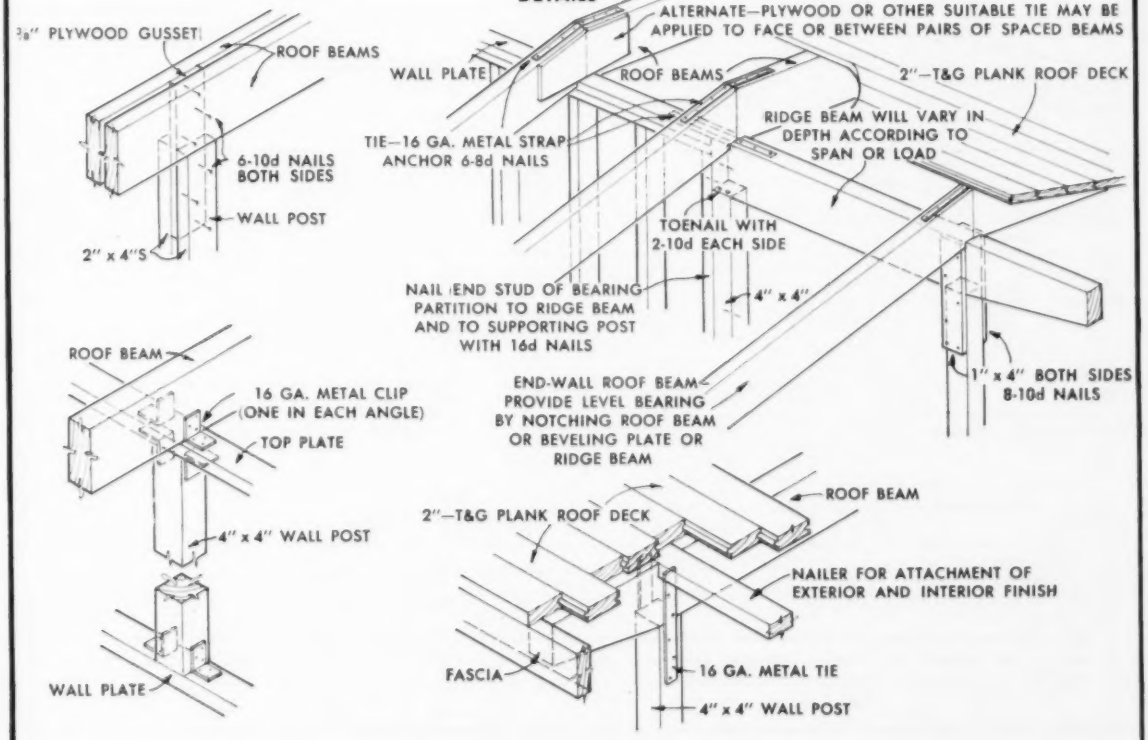
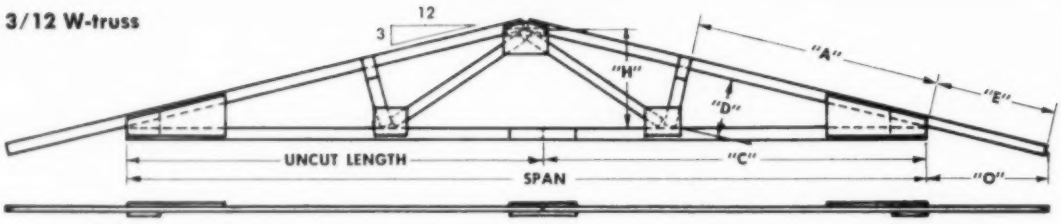
DETAILS



FRAMING

Typical glue-nail truss specifications

3/12 W-truss



CUTTING SCHEDULE

SPAN		24′			26′			28′		
		0″	4″	8″	0″	4″	8″	0″	4″	8″
BOTTOM CHORDS	Uncut Length	12′-0″						14′-0″		
	Member "C"	12′-0″	12′-4″	12′-8″	14′-0″	12′-4″	12′-8″	14′-0″	14′-4″	14′-8″
TOP CHORDS		Cut Top Chords Only If Less Overhang Than That Listed in Item "O" Is Desired.								
SHORT DIAGONAL "D"		22″		23″	24″		25″	26″		27″
LONG DIAGONAL		Use Material Left After Cutting Short Diagonals								
BOTTOM-CHORD SPLICE PLATES		Two Pieces 1″ x 4″ x 24″								
SCABS		Two Pieces 1″ x 4″ x 8″; One Piece 1″ x 4″ x 16″								
HEIGHT (Inside Dimension) "H"		36″	36½	37″	39″	39½″	40″	42″	42½″	43″
EXTENSION "E"		43½″	41½″	39⅜″	31¼″	29⅛″	27″	42⅞″	40¾″	38¾″
OVERHANG "O"		42¼″	40¼″	38¼″	30¼″	28¼″	26¼″	41½″	39½″	37½″
DIMENSION "A"		7′-4″		7′-8″	8′-0″		8′-4″	8′-8″		9′-0″

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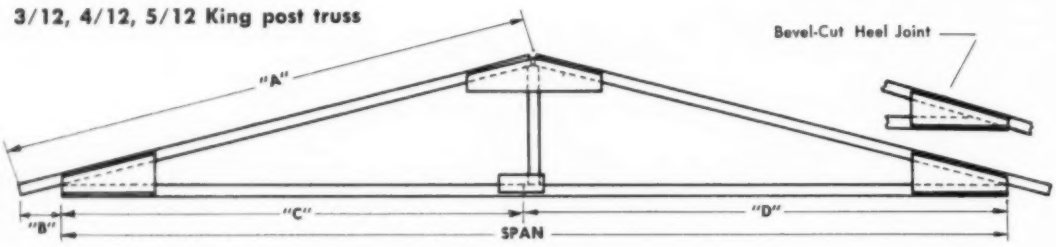
3/12, 4/12, 5/12 King post truss



		SPAN	26′			28′			30′			32′		
			0″	4″	8″	0″	4″	8″	0″	4″	8″	0″	4″	8″
TOP CHORDS	Length "A"		16′-0″										20′-0″	
	Overhang "B"	2/12	33½″	31½″	29½″	45½″	43½″	41½″	33½″	31½″	29½″	45½″	43½″	41½″
		3/12	30¼″	28¼″	26¼″	42¼″	40¼″	38¼″	30¼″	28¼″	26¼″	42¼″	40¼″	38¼″
		4/12	26⅛″	24⅛″	22⅛″	36⅞″	34⅞″	32⅞″	24⅞″	22⅞″	20⅞″	34¾″	32¾″	30¾″
BOTTOM CHORDS	"C"		14′-0″											
	"D"		14′-0″	12′-4″	12′-8′	14′-0″	14′-4″	14′-8″	14′-0″	14′-4″	14′-8″	16′-0″	16′-4″	16′-8″
SPLICE PLATES — LENGTH			28″	24″	20″	20″	20″	20″	28″	24″	20″	20″	20″	20″
POST LENGTH	Square-Cut on Bottom Chord	2/12	25⅝″	26″	26⅜″	27⅝″	28″	28⅜″	29⅝″	30″	30⅜″	31⅝″	32″	32⅜″
		3/12	38½″	39″	39½″	41½″	42″	42½″	44½″	45″	45½″	47½″	48″	48½″
		4/12	51⅜″	52″	52⅝″	55⅜″	56″	56⅝″	59⅜″	60″	60⅝″	63⅜″	64″	64⅝″
	Beveled Cut on Bottom Chord		Reduce all post lengths above by 5½ inches.											

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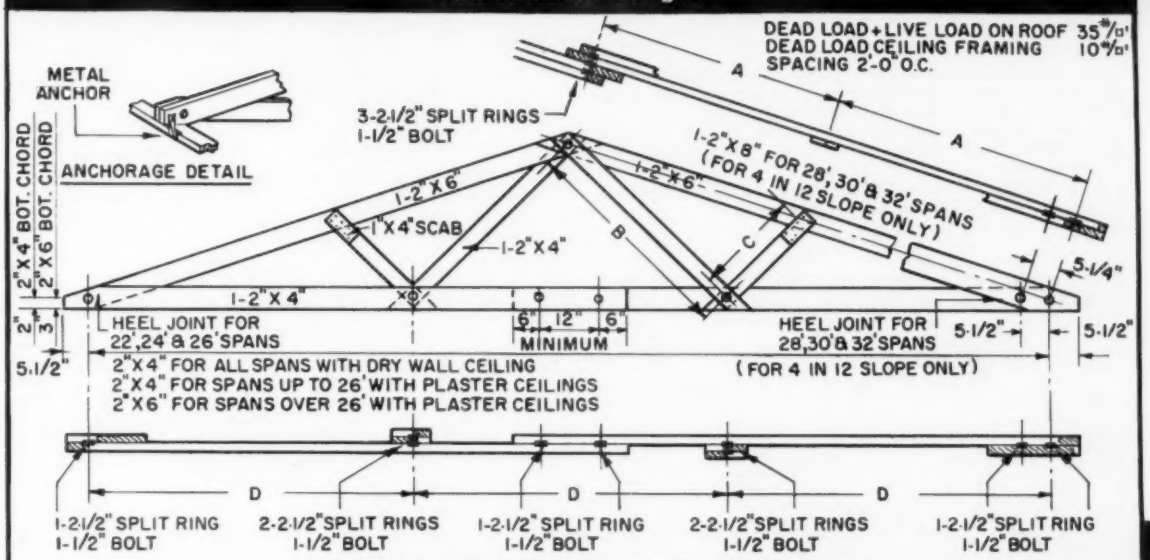
Trussed Rafter Designs



FOR FURTHER INFORMATION WRITE TIMBER ENGINEERING CO.

PITCH	Length of Span	DIMENSIONS A	B	C	D
4/12	20	5'- 3¼"	4'- 8 3/16"	2'- 3 13/16"	6'-8"
	22	5'- 9 5/16"	5'- 1⅞"	2'- 6¾"	7'-4"
	24	6'- 3⅞"	5'- 7½"	2'- 9 5/16"	8'-0"
	26	6'-10 3/16"	6'- 1 3/16"	3'- 0 7/16"	8'-8"
	28	7'- 4 5/16"	6'- 6 13/16"	3'- 3¼"	9'-4"
	30	7'-10⅞"	7'- 0½"	3'- 6 5/16"	10'-0"
	32	8'- 5 3/16"	7'- 6 3/16"	3'- 8⅞"	10'-8"
5/12	20	5'- 5"	5'- 3⅝"	2'- 7⅝"	6'-8"
	22	5'-11½"	5'-10 1/16"	2'-10 13/16"	7'-4"
	24	6'- 6"	6'- 4 7/16"	3'- 2"	8'-0"
	26	7'- 0½"	6'-10⅞"	3'- 5¼"	8'-8"
	28	7'- 7"	7'- 5¼"	3'- 8 3/16"	9'-4"
	30	8'- 1½"	7'-11 13/16"	3'-11⅝"	10'-0"
	32	8'- 8"	8'- 6 1/16"	4'- 2 13/16"	10'-8"
6/12	20	5'- 7 7/16"	5'-11 11/16"	2'-11⅝"	6'-8"
	22	6'- 1 13/16"	6'- 6⅞"	3'- 3¼"	7'-4"
	24	6'- 8½"	7'- 2⅛"	3'- 6⅞"	8'-0"
	26	7'- 3 3/16"	7'- 9 5/16"	3'-10 7/16"	8'-8"
	28	7'- 9 13/16"	8'- 4 5/16"	4'- 2 1/16"	9'-4"
	30	8'- 4⅝"	8'-11¾"	4'- 5 11/16"	10'-0"
	32	8'-11 5/16"	9'- 6 13/16"	4'- 9¼"	10'-8"
7/12	20	5'- 9 7/16"	6'- 8 3/16"	3'- 3⅞"	6'-8"
	22	6'- 4 7/16"	7'- 4¼"	3'- 7 15/16"	7'-4"
	24	6'-11⅝"	8'- 0 5/16"	3'-11 15/16"	8'-0"
	26	7'- 6 3/16"	8'- 8⅜"	4'- 4"	8'-8"
	28	8'- 1¼"	9'- 4 7/16"	4'- 8"	9'-4"
	30	8'- 8 3/16"	10'- 0½"	5'- 0 1/16"	10'-0"
	32	9'- 3⅛"	10'- 8 5/16"	5'- 4 3/16"	10'-8"

LUMBER

SPAN	2"x8" 18'	16'	2"x6" 18'	16'	14'	12'	2"x4" 18'	16'	14'	12'	10'	8'	F.B.M. DRYWALL CEILING	F.B.M. PLASTER CEILING
20'-0"						2				2		2	51	51
22'-0"					2				2		2		61	61
24'-0"					2				2		2		61	61
26'-0"				2				2			2		68	68
28'-0"		2		(2)				2		2			80	91
30'-0"	2		(2)				2			2			88	100
32'-0"	2		(2)				2			2			88	100

SPAN	2"x6" 20'	18'	16'	14'	12'	2"x4" 18'	16'	14'	12'	10'	F.B.M. CEILING DRYWALL	F.B.M. CEILING PLASTER
20'-0"					2				2	2	53	53
22'-0"				2				2		2	60	60
24'-0"				2				2	2		63	63
26'-0"			2				2		2		70	70
28'-0"			2(2)				2		2		73	80
30'-0"		2(2)				2		2			79	91
32'-0"	2	(2)				2		2			85	95

SPAN	2"x6" 20'	18'	16'	14'	12'	2"x4" 18'	16'	14'	12'	10'	F.B.M. DRYWALL CEILING	F.B.M. PLASTER CEILING
20'-0"					2				2	2	53	53
22'-0"				2				2	2		63	63
24'-0"			2					2	2		67	67
26'-0"			2				2		2		69	69
28'-0"		2	(2)				2	2			76	87
30'-0"		2(2)				2	2				79	94
32'-0"	2	(2)				2	2				85	98

SPAN	2"x6" 20'	18'	16'	14'	2"x4" 18'	16'	14'	12'	F.B.M. DRYWALL CEILING	F.B.M. PLASTER CEILING
20'-0"				2				4	60	60
22'-0"				2			2	2	63	63
24'-0"			2				4		70	70
26'-0"			2			2	2		72	72
28'-0"		2	(2)			4			78	90
30'-0"	2	(2)			2	2			81	98
32'-0"	2	(2)			4				88	100

Note: Pieces in parentheses ( ) are used in place of equal length 2"x4"s when plaster ceiling is used.

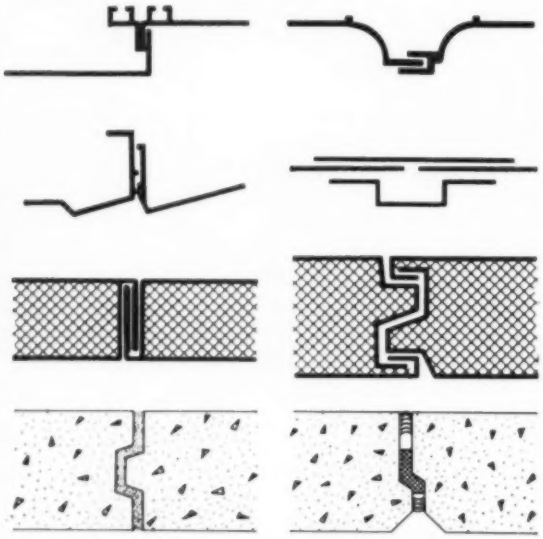
Curtain Wall Panels

WHAT ARE THEY?

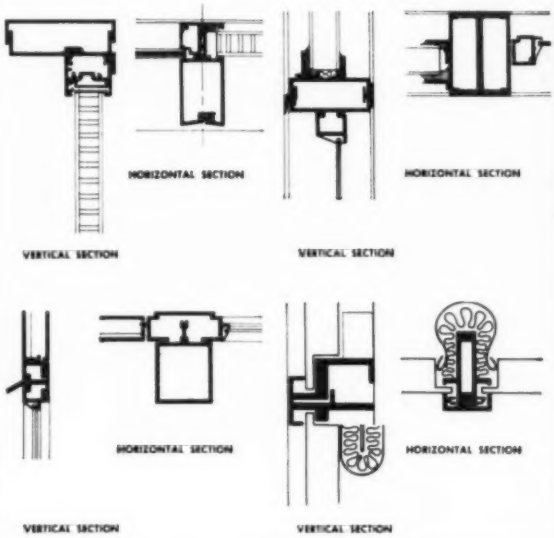
Curtain walls generally are defined as non-bearing exterior walls supported at each floor by the structural framework of the building. Mass production methods have made available modular components, or panels in a wide variety of materials, forms, colors and textures. They are classified in this way:

1. TRADITIONAL WALL—Fenestration and glass above spandrel of masonry, metal or other materials.
   a. Sash with all fixed glass.
   b. Sash with some fixed, some operating glass.
   c. Sash with all operating glass.
2. ALL GLASS WALL—May be all transparent, or transparent above spandrel of opaque or translucent glass.
3. WINDOWLESS WALL—Materials from which curtain wall panels are made cover all the metals, plastics, glass, concrete, stone and burned clay, ceramic-coated materials and combinations of these.

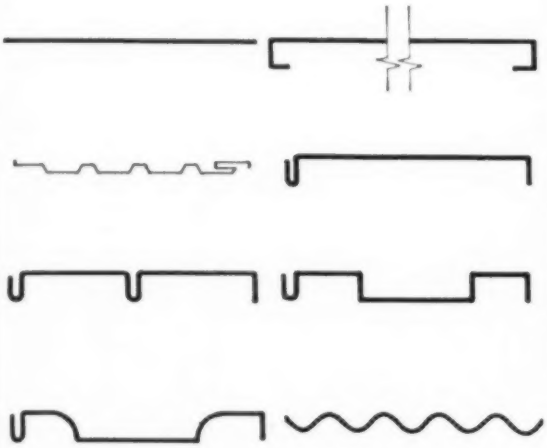
TYPICAL JOINTS: PANEL TO PANEL



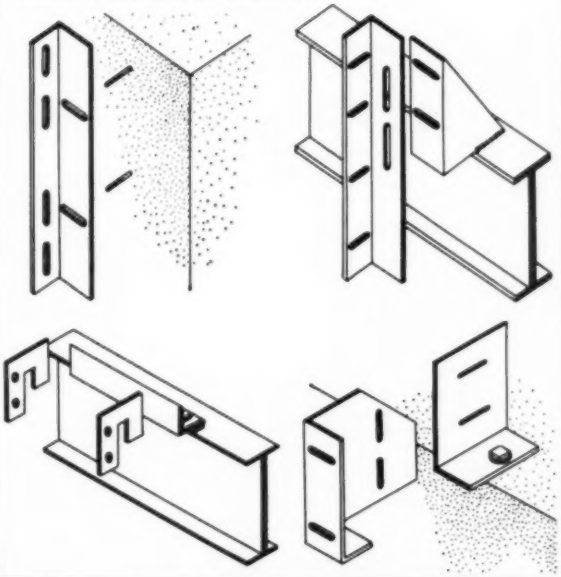
TYPICAL JOINTS: PANELS AND COMPONENTS



TYPICAL SKIN PANEL TYPES



TYPICAL FASTENER SYSTEMS



"We specify and use UTILITY grade West Coast framing lumber for quality construction. Properly used, it saves $200.00 on every job," report builders Lyons and McDonell.

Here is a building partnership which has discovered a short cut to bigger profit with "Utility" grade West Coast dimension and boards. Lyons and McDonell's solid reputation for quality construction has never varied, yet these progressive builders have achieved lower total job costs regularly by using "Utility" grade lumber in specified applications.*

You, too, will find "Utility" grade is a money-maker for One and Two Living Unit-construction. And you will have the plus-value of the consistent quality of West Coast lumber.

**When used in accordance with FHA Minimum Property Standards for One and Two Living Units, FHA Bulletin No. 300.*

WEST COAST LUMBERMEN'S ASSOCIATION

1410 S. W. Morrison Street, Portland 5, Oregon

CHECK THESE USES

for "Utility" grade West Coast Lumber (In accordance with FHA Minimum Property Standards):

RAFTERS FOR LIGHT ROOFING (Roof slope over 3 in 12) (Weighing less than 4 lbs. per sq. ft. in place)

Size	Douglas Fir Spacing	West Coast Hemlock Maximum Span
2x6	16" o.c.	9'-8"
2x8	16" o.c.	14'-4"
2x10	16" o.c.	19'-8"

FLAT ROOF JOISTS supporting finished ceiling (Roof slope 3 in 12 or less)

2x6	16" o.c.	7'-8"
2x8	16" o.c.	11'-6"
2x10	16" o.c.	15'-8"
2x12	16" o.c.	18'-2"

CEILING JOISTS (no attic storage)

2x6	16" o.c.	11'-8"
2x8	16" o.c.	17'-6"

FLOOR JOISTS

		30 lb. live load*	40 lb. live load†
2x6	16" o.c.	7'-2"	6'-4"
2x8	16" o.c.	10'-8"	9'-6"
2x10	16" o.c.	14'-8"	13'-0"
2x12	16" o.c.	17'-0"	15'-4"

*sleeping rooms only
†other than sleeping rooms

BOARDS. Ample strength and satisfactory coverage make "Utility" boards a primary material for sub-floors, wall sheathing and solid roof boarding in permanent construction. This grade is widely used for light concrete forms.

GET THE TECHNICAL FACTS

Write today for your copy of "Where to Use Utility Grade."

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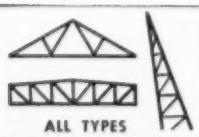
GLUED-LAMINATED AND SOLID TIMBER STRUCTURAL MEMBERS

Engineered members cut erection costs and add beauty to any type of building.

TYPICAL SHAPES	USES	SPANS	CENTER-TO-CENTER SPACING	ADVANTAGES
TANGENT ARCHES	Churches Gymnasiums Chapels Theaters	24' to 100'	8' to 20'	Arch and laminated purlins gives unsurpassed beauty, without expensive veneering. Fire resistant. Made of kiln-dried Douglas Fir selected for strength and appearance.
RADIAL ARCHES	Gymnasiums Hangars Auditoriums Armories Skating Rinks Bowling Alleys	40' to 120'	8' to 20'	Graceful arches have the clean, natural beauty of fine wood. Wide, clear spans give large unobstructed space without unsightly framework. Fire resistant. Efficient design makes a building that is economical to erect.
STRAIGHT ARCHED-PITCHED LAMINATED WOOD BEAMS	One-story Schools Stores Offices Residences Gymnasiums Industrial Buildings	20' to 60'	6' to 20'	Resists checking and warping and other seasoning defects common to solid timber. Fire resistant. Combines structural and decorative advantages for economy.
BOWSTRING TRUSSES	Wide, Clear-Span Buildings Garages Factories Hangars Warehouses Gymnasiums	24' to 200'	8' to 20'	Well adapted to wide, clear-span construction. Economical. Designed for specific requirements such as concentrated loads, hoists, etc.
TIED ARCHES	Stores Factories Theaters Warehouses Hangars	24' to 65'	2'	Light enough to erect without special equipment. One inch roof sheathing can be nailed to top of arch with ceiling material nailed directly to lower tie.
UTILITY ARCHES	Small Hangars Warehouses Gymnasiums Theaters Community Buildings	28' to 80'	2' to 20'	Easy to plan. Economical. Combines sidewall and roof in one piece for easy erection. Requires no costly field assembly. Any type of roofing can be applied over sheathing.
 ALL TYPES STRUCTURAL ASSEMBLIES	Bridges Buildings Bulkheads Culverts Docks Falsework Floats Grandstands Ramps Outdoor Theater Screens Retaining Walls Shipways	our service engineers will gladly consult with you		Designed for specific loads, precision manufactured by skilled workmen of structural timber. Cut to exact lengths, holes bored for all connections — bolts and hardware furnished. Delivered when promised for erection by local crews.
LOCKDECK	Churches Gymnasiums Schools Auditoriums Stores Offices Homes Industrial Buildings		SIZES 3 x 6, 3 x 8, 4 x 6, 4 x 8 lengths, 8' - 16'	Laminated of Inland Red Cedar or Idaho White Pine kiln dried to average 10% moisture content for dimensional stability and uniform appearance. End matched. Husky tongues and grooves. Face ply is of full 1" nominal thickness to eliminate chipping of facing material. Faster to install, requires no horizontal nailing.

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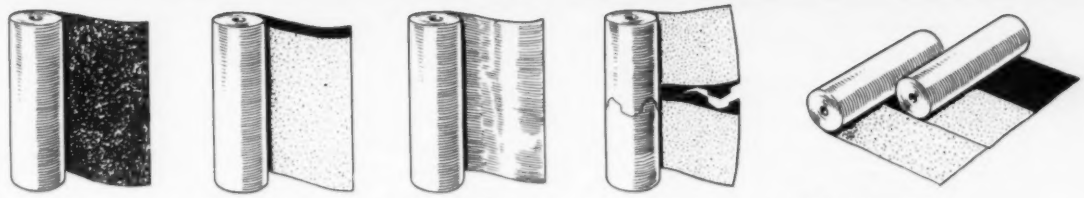
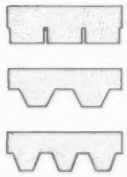
*Name*_____

*Address*_____

*City*_____ *Zone*____ *State*_____



ASPHALT SATURATED FELT					MINERAL SURFACED ROLL					SMOOTH ROLL					PATTERN EDGE ROLL					19" SELVAGE DOUBLE COVERAGE				
1 - LENGTH		2 - WIDTH					3 - SIDE OR END LAP					4 - HEAD LAP					5 - EXPOSURE							
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
144'	36"	4"	2"	34"	36'	36"	4"	2"	34"	36'	36"	4"	2"	34"	42'	36"		2"	16"	36'	36"		19"	17"
22'	36"	4"	2"	34"	36'	36"	6"	3"	33"	36'	36"	4"	2"	34"	48'	32"		2"	14"	36'	36"		19"	17"
					36'	36"	6"	4"	32"	36'	36"	4"	2"	34"										



3-TAB SQUARE BUTT STRIP SHINGLE

2-TAB HEX STRIP SHINGLE

3-TAB HEX STRIP SHINGLE

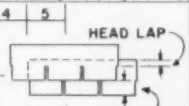
1	2	3	4	5
36"	12"		2"	5"
36"	12"		4"	4"
36"	11 1/3"		2"	4 2/3"
36"	11 1/3"		2"	4 2/3"

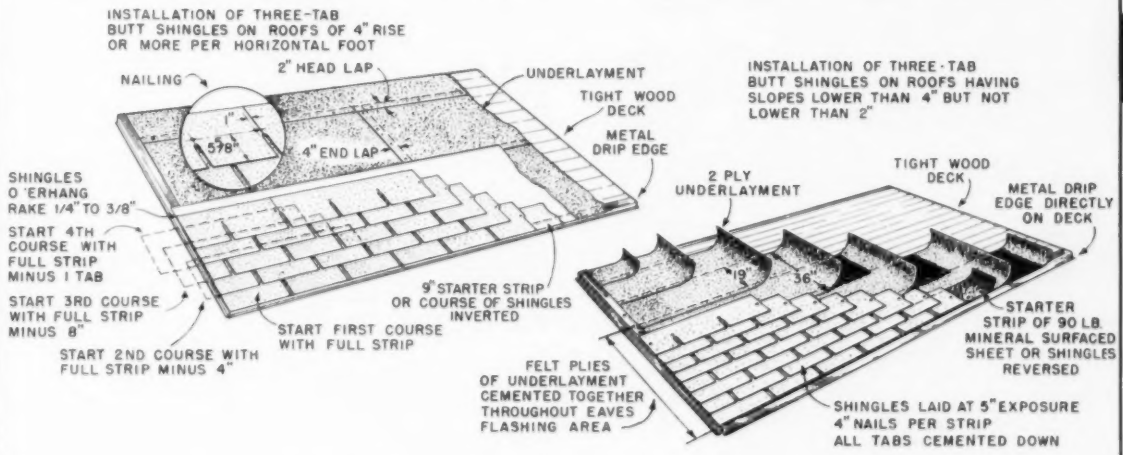
INDIVIDUAL STAPLE DOWN

GIANT INDIVIDUAL AMERICAN

DUTCH LAP

1	2	3	4	5
16"	16"	2 1/2"		
16"	12"		6"	5"
16"	12"	3"	2"	10"

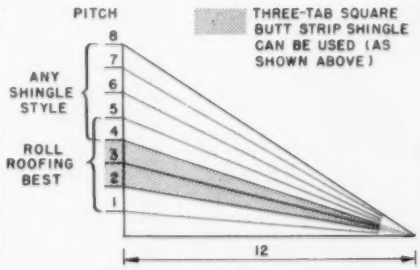




TYPICAL NAILS FOR ASPHALT ROOFING

	SHINGLES PER SQUARE	NAILS PER SHINGLE	NAILS PER SQUARE	LENGTH OF (*) NAIL	LBS. PER SQUARE (APPROX) 12 GA. BY 7/16" HEAD	LBS. PER SQUARE (APPROX) 11 GA. BY 7/16" HEAD
ROLL ROOFING ON NEW DECK			252	1"	.73	1.12
ROLL ROOFING OVER OLD ROOFING			252	1 3/4"	1.13	1.78
19" SELVAGE OVER OLD SHINGLES			181	1 3/4"	.83	1.07
3-TAB SQUARE BUTT NEW	80	6	504	1 1/4"	1.83	2.32
3-TAB SQUARE BUTT REROOFING	80	6	504	1 3/4"	2.38	3.01
HEX STRIP NEW	86	4	361	1 1/4"	1.28	1.68
HEX STRIP REROOFING	86	4	361	1 3/4"	1.65	2.03
GIANT AMERICAN	226	2	479	1 1/4"	1.79	2.27
GIANT DUTCH LAP	113	2	236	1 3/4"	1.07	1.39
INDIVIDUAL HEX	82	2	172	1 3/4"	.79	1.03

(*) LENGTH OF NAIL SHOULD ALWAYS BE SUFFICIENT TO PENETRATE AT LEAST 3/4" INTO SOUND WOOD DECK LUMBER. NAILS SHOULD SHOW LITTLE, IF ANY, BELOW UNDERSIDE OF DECK LUMBER.



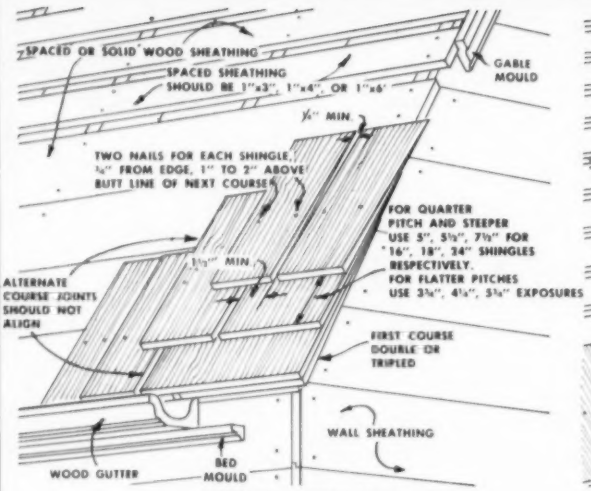
MINIMUM PITCH REQUIREMENTS FOR ASPHALT ROOFING

COURTESY OF THE ASPHALT ROOFING INDUSTRY BUREAU

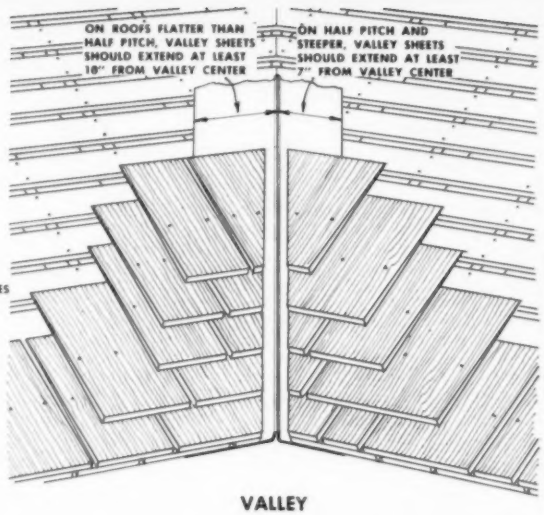
9

ROOFING, SIDING, INSULATION, SHEATHING

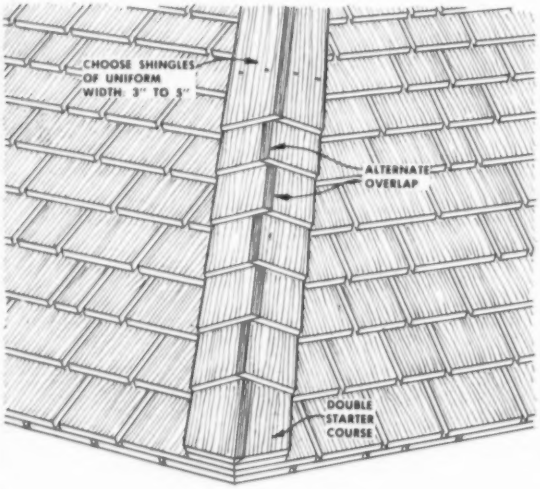
Red Cedar Shingles



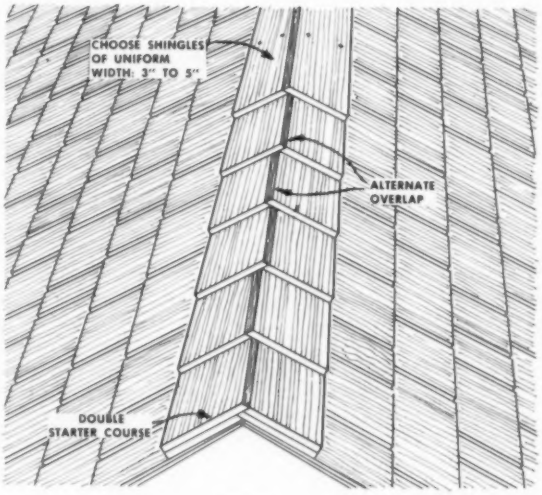
CORNICE AND GABLE



VALLEY

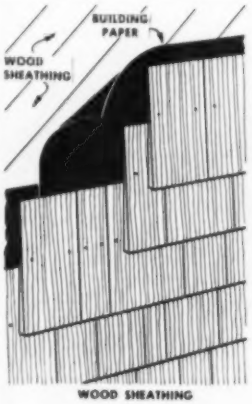


HIP

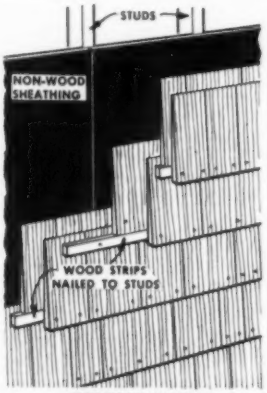


RIDGE

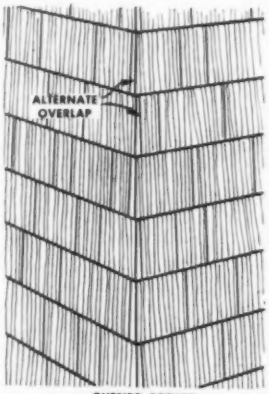
ROOFS



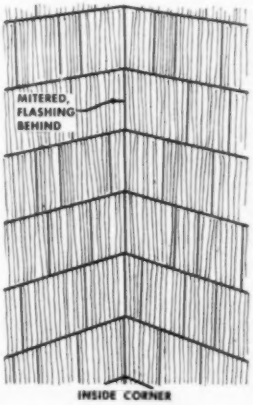
WOOD SHEATHING



NON-WOOD SHEATHING



OUTSIDE CORNER



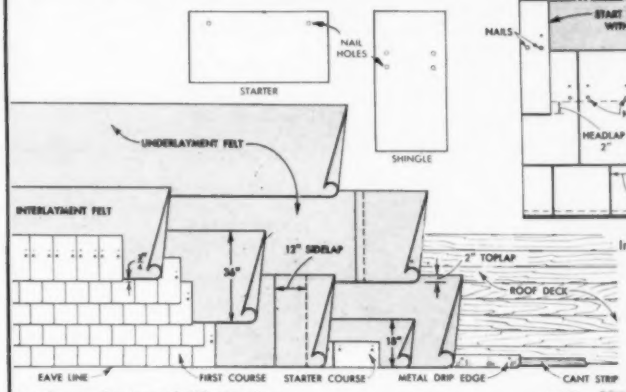
INSIDE CORNER

WALLS

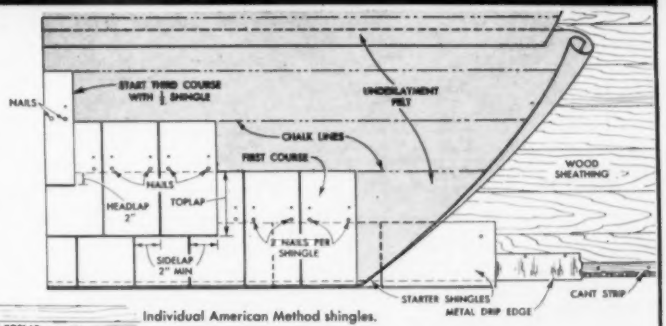
9

Asbestos Cement Roofing Guide

Asbestos-Cement Roof shingles may be applied on roofs having a slope of 5" in 12" or greater. Using the low slope application methods shown here, they may be applied on slopes as low as 2" in 12".



Low-slope application method for American Method Individual shingles.

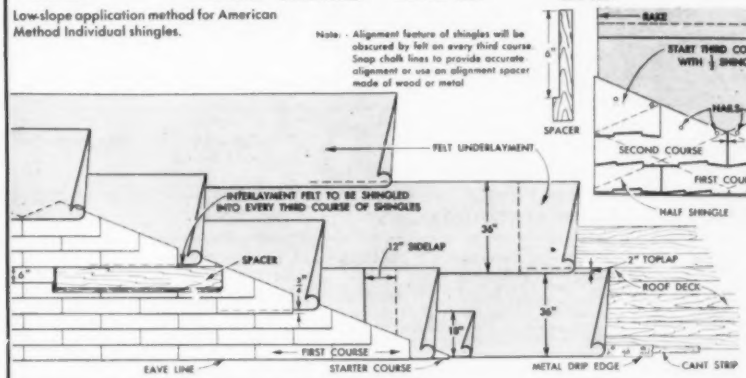


Individual American Method shingles.

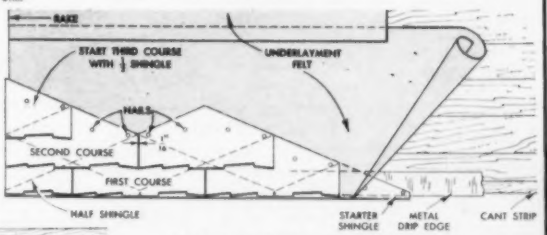
Nails	Diameter	Length	Type
Over solid lumber deck	⅛"	Approx. 1¼"	1
Over plywood deck	⅛"	not over 1¼"	2
For reroofing	⅛"	2"	1

1. Smooth, Barbed, or Threaded
2. Single screw thread barbing, or ring barbing

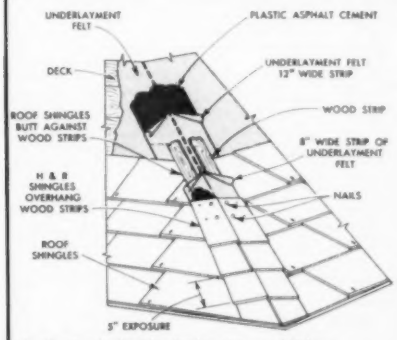
Note: - Alignment feature of shingles will be obscured by felt on every third course. Snap chalk lines to provide accurate alignment or use an alignment spacer made of wood or metal



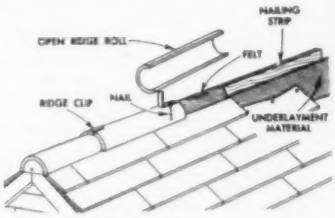
Low-slope application for American Method Multiple-Unit shingles.



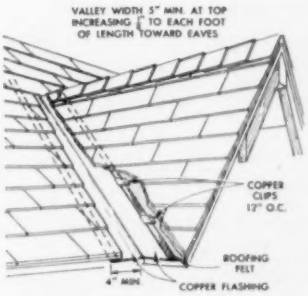
Application Method for another design of American Method Multiple-Unit shingle.



Application Method for finishing Hips and Ridges.

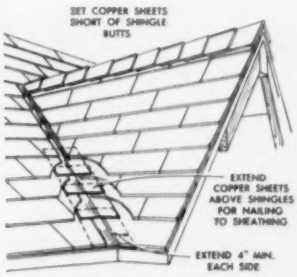


Ridge Roll used on Ridge as alternate to Ridge shingles.



Open-Valley Flashing.

Asbestos Cement Roof shingles are manufactured with holes properly located and pre punched to receive concealed roofing nails. Nails, which are not provided, must be made of non-corrodible metal or hot-dipped galvanized steel, needle or diamond pointed with heads approximately ⅜" dia. Underlayment and interlayment must be 15 lb. asphalt-saturated organic felt.



Closed-Valley Flashing.

4 Basic Types of Asbestos Cement Roof shingles

Type	Width	Height	Thickness	Exposure	Approx. Shipping wt.
American Method Individual Unit	8"	16"	5/32"	7"	350 lbs.
			¼"	7"	585 lbs.
	9"	18"	¼"	8"	570 lbs.
American Method Multiple Unit	24" to 30"	14" to 15⅞"	5/32"	6" to 6⅝"	300 lbs.
			¼"		440 lbs.
Dutch Lap	16"	16"	5/32"	12" x 13"	265 lbs.
Ranch Design	24"	12"	5/32"	20" x 9"	255 lbs.

Courtesy: Asbestos Cement Products Association

WALL SHEATHING

Product	Sizes	Recommended Thicknesses	Maximum Stud Spacing (O.C.)	Nail Size and Type	Nail Spacing (Panel Edge)	Nail Spacing (Intermediate)	Notes
Fir Plywood	4'x8'	3/8"	16"	6d Common	6"	12"	Apply with face grain perpendicular to studs.
	4'x8'	3/8"-1/2"	24"	6d Common	6"	12"	
	4'x8'	5/8"	24"	8d Common	6"	12"	
Fiberboard (Vertical Application)	4'x8'-4'x9'	25/32"	16" or 24"	1 3/4" 12 ga. Galvanized Rfg. Nails 3/8" head	3"	6"	Drive nails until head is flush with sheathing surface.
	4'x8'-4'x9' 4'x10'-4'x12'	1/2"	16"	1 1/2" 12 ga. Galvanized Rfg. Nails 3/8" head	3"	6"	
Fiberboard (Horizontal Application)	2'x8'	25/32"	16"	1 3/4" 12 ga. Galvanized Rfg. Nails 3/8" head	4 1/2"	8"	Stagger end joints in successive courses.
	2'x8'	1/2"	16"	1 1/2" 12 ga. Galvanized Rfg. Nails 3/8" head	4 1/2"	8"	
Gypsum Board (Horizontal Only)	2'x8'	1/2"	16"	1 3/4" 11 ga. Galvanized Rfg. Nails 7/16" head	4"	8"	
Wood (Diagonal or Horizontal Application)	1"x4" to 1"x8"		16"	8d Common	2 Nails at all Bearings		Joints in adjacent boards separated by 2 stud spaces.
	Above 1"x8"		16"	8d Common	3 Nails at all Bearings		

9

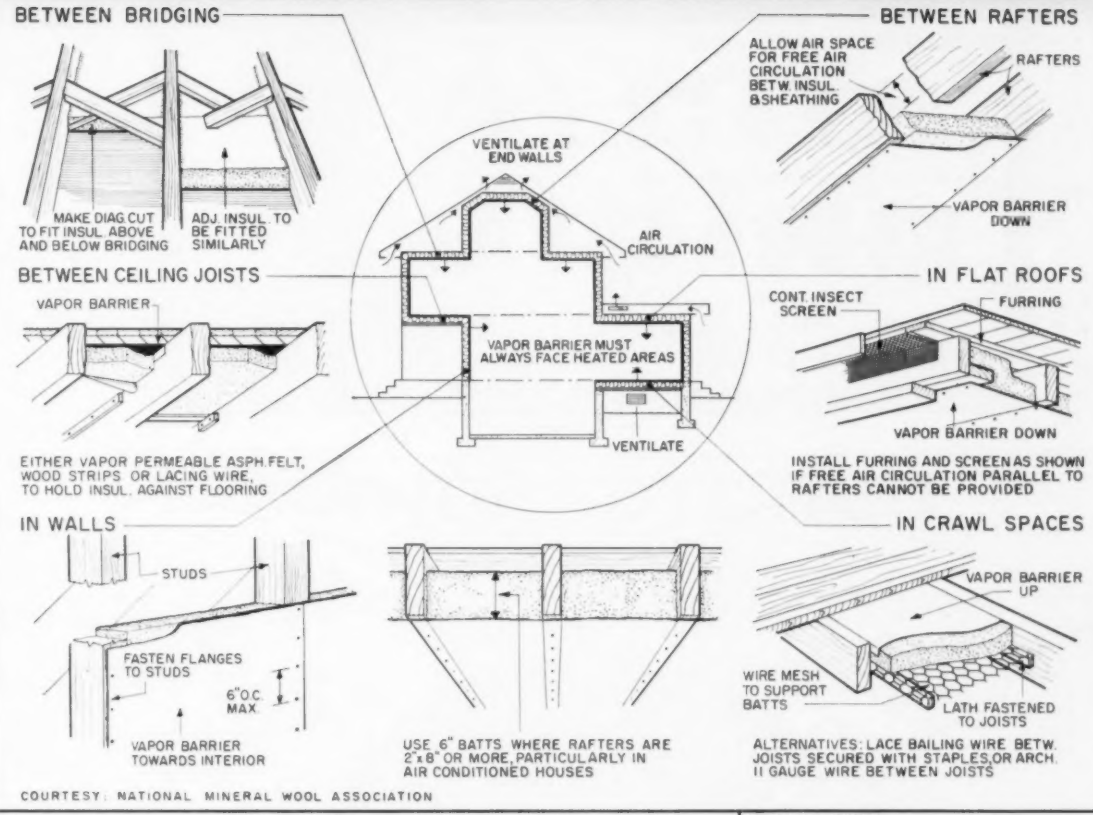
STAPLE APPLICATION SPECIFICATIONS

Product	Thickness of Fiberboard	Maximum Stud Spacing	Gauge of Staple	Minimum Crown of Staple	Minimum Length of Staple	Spacing at Edge of Sheet	Spacing at Intermediate Members	Notes
Fiberboard Wall Sheathing (with Diagonal Bracing)	1/2"	16"	16	7/16"	1 1/8"	4"	6"	
	1/2"	16"	14	7/16"	1 1/8"	4"	8"	
	25/32"	24"	16	7/16"	1 1/2"	4"	6"	
	25/32"	24"	14	7/16"	1 1/2"	4"	8"	
Fiberboard Wall Sheathing (without Diagonal Bracing)	1/2"	16"	16	7/16"	1 1/2"	3"	6"	1. 1/2" Fiberboard shall be special dense type. 2. Unless engineering analysis of racking resistance is submitted for FHA determination, each wall shall contain at least one eight foot or three four foot wall sections without openings. 3. Panel must be nailed around entire perimeter.
	1/2"	16"	14	7/16"	1 1/2"	4"	8"	
	25/32"	16"	16	7/16"	1 1/2"	3"	6"	
	25/32"	16"	14	7/16"	1 1/2"	4"	8"	

Product	Thickness	Maximum Stud or Joist Spacing	Minimum Gauge of Staple	Minimum Crown of Staple	Minimum Length of Staple	Maximum Spacing of Staples on Framing Members	Notes
Gypsum Lath	3/8"	16"	16	7/16"	7/8"	5"	For Gypsum Lath, staples shall be driven with the crown parallel to the long dimension of the framing member, using not less than 4 staples per 16" width of lath per framing member and not more than 5" o.c., in such a manner that the crown bears tightly against the lath but does not cut into the face paper. The legs of the staples shall be no less than 3/8" from the ends and edges of the lath. For Gypsum Wall Sheathing: no less than 5 staples per 24" width of sheathing per framing member and not more than 6" o.c., and for First Ply, etc., not more than 5" o.c. on ceilings and 6" o.c. on sidewalls.
	1/2"	16"	16	7/16"	1"	5"	
	1/2"	24"	16	7/16"	1"	4"	
Gypsum Wall Sheathing (with diagonal Bracing)	1/2"	16"	16	7/16"	1 1/2"	6"	
	1/2"	24"	16	7/16"	1 1/2"	6"	
First Ply Only of Two-Ply System Gypsum Dry-Wall Interior Finish	3/8"	16"	16	7/16"	1"	5" on ceilings 6" on walls	
	3/8"	24"	16	7/16"	1 1/8"	5" on ceilings 6" on walls	

ROOFING, SIDING, INSULATION, SHEATHING

Insulation Guide



COURTESY: NATIONAL MINERAL WOOL ASSOCIATION

ALWAYS USE THE 6-3-2 RULE:

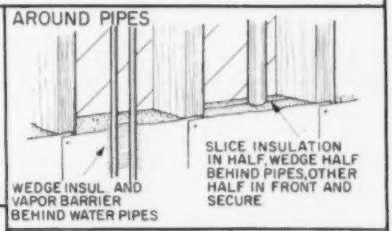
6" BATTS AS BLANKETS BETWEEN RAFTERS OR JOISTS, 3" BATTS BETWEEN STUDS AND 2" BATTS BELOW FLOORS

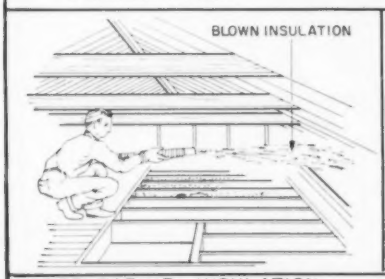
NAILING:

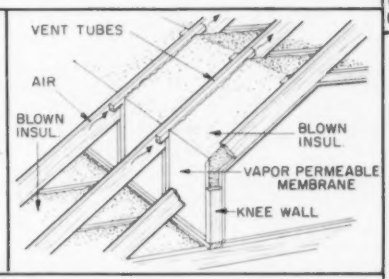
6" MAXIMUM SPACING

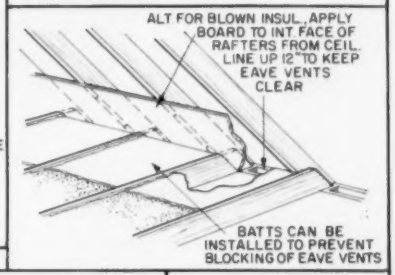
BLANKET SIZES	
1	15" WIDTHS BETWEEN STUDS OR JOISTS - 16" O.C.
2	19" WIDTHS BETWEEN STUDS OR JOISTS - 20" O.C.
3	23" WIDTHS BETWEEN STUDS OR JOISTS - 24" O.C.

AROUND PIPES

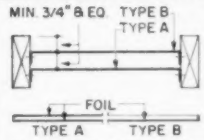




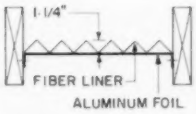




REFLECTIVE INSULATION



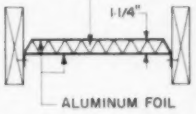
ALUM. IS ASPHALT LAMINATED TO HEAVY CRAFT PAPER ONE OR BOTH SIDES
TYPE A USED ALONE OR WITH TYPE B, SPACE EQ. DIVIDED 25", 33", 36" WIDTHS



ECONOMICAL FOR WALL & CRAWL SPACES

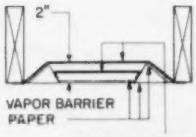
16" & 24" WIDTHS

FIBER OR ASB. SEPARATORS



AVAILABLE IN 12", 16" & 24" WIDTHS
HEAVY WEIGHT FOIL IN 16" & 24" WIDTHS

THIN COAT OF ALUM. BONDED 2 SIDES OF KRAFT PAPER

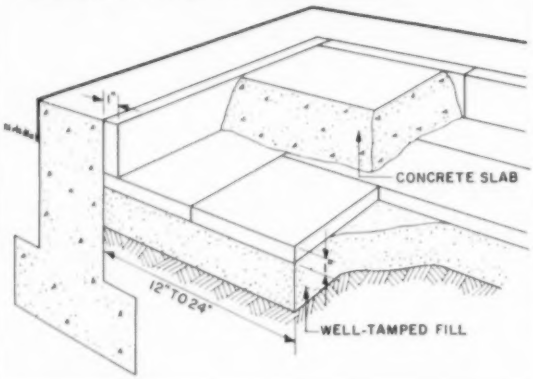


12", 16", 20" AND 24" WIDTHS

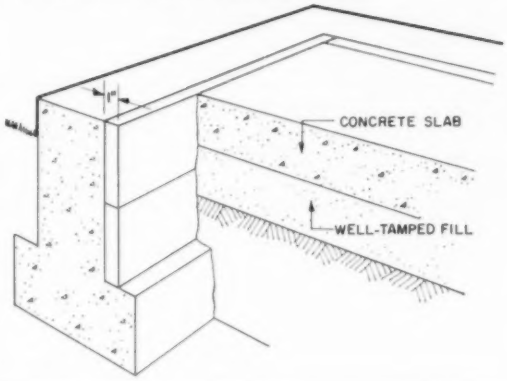
ROOFING, SIDING, INSULATION, SHEATHING

Rigid Insulation

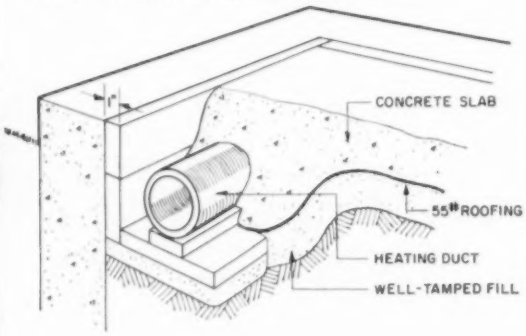
HORIZONTAL PERIMETER INSULATION



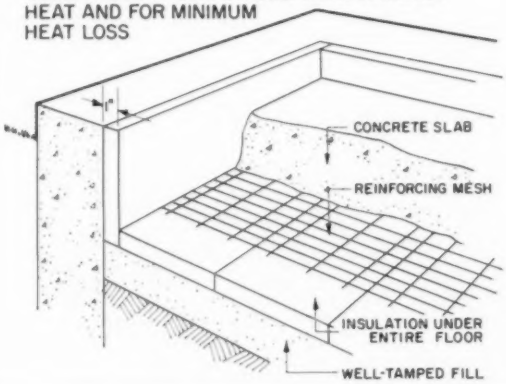
VERTICAL PERIMETER INSULATION



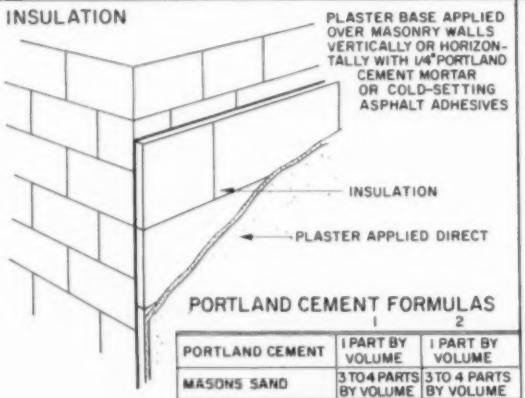
PERIMETER HEATING INSULATION



SLAB INSULATION FOR USE WITH RADIANT HEAT AND FOR MINIMUM HEAT LOSS



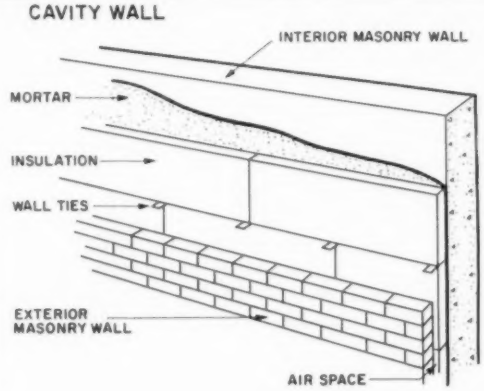
INSULATION



PORTLAND CEMENT FORMULAS

	1	2
PORTLAND CEMENT	1 PART BY VOLUME	1 PART BY VOLUME
MASONS SAND	3 TO 4 PARTS BY VOLUME	3 TO 4 PARTS BY VOLUME
HYDRATED LIME	1/8" TO 1/4" PARTS BY VOL.	

CAVITY WALL



PACKAGED STYROFOAM

SHIPPED IN CONTAINERS MEASURING 20" x 24" x 36" IN STOCK SIZES LISTED IN 3'-0" LENGTHS.

SIZE	BD. FT. PIECE	PIECES BOX	BD. FT. BOX
1" x 10"	2.5	48	120
1" x 12"	3	37	111
1½" x 10"	3.75	32	120
1½" x 12"	4.5	26	117
2" x 10"	5	24	120
2" x 12"	6	20	120
3" x 10"	7.5	16	120
3" x 12"	9	12	108
4" x 10"	10	12	120
4" x 12"	12	10	120
5" x 12"	15	8	120

UNPACKAGED STYROFOAM

SHIPPED IN CARLOAD OR TRUCK LOTS IN STOCK SIZES LISTED IN 9'-0" LENGTHS.

SIZE	BD. FT. PIECE	SIZE	BD. FT. PIECE
1" x 10"	7.5	3" x 10"	22.5
1" x 12"	9	3" x 12"	27
1½" x 10"	11.25	4" x 10"	30
1½" x 12"	13.5	4" x 12"	36
2" x 10"	15	5" x 12"	45
2" x 12"	18		
2½" x 10"	18.75		
2½" x 12"	22.5		

ALCOA® SIDING

MADE BY ALCOA

MANUFACTURED FOR

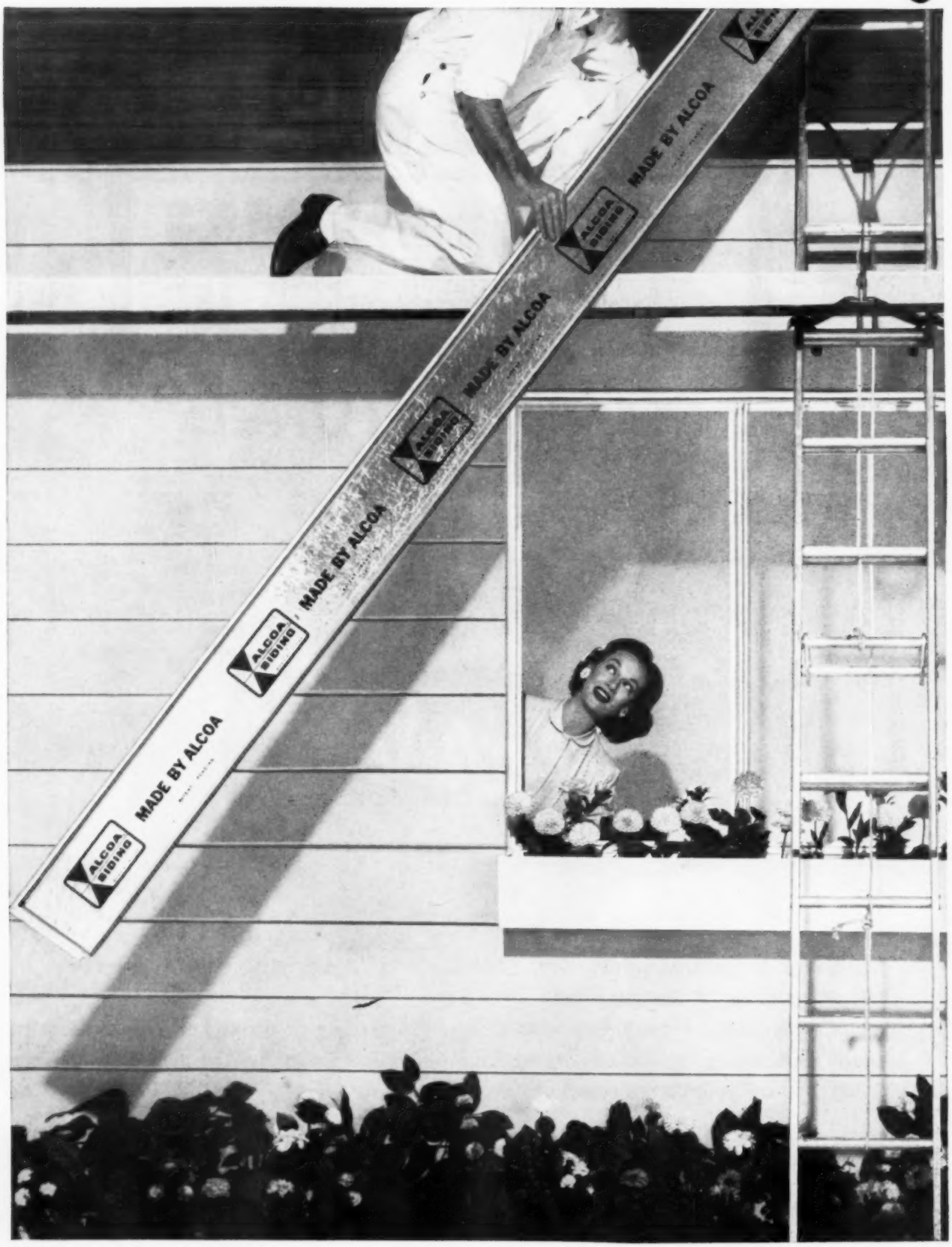
Barrett®

Your Barrett representative can take orders today for the complete line of Alcoa Siding. Prompt, dependable delivery is assured from seven conveniently located Barrett warehouses. And you can top off your next order of Barrett building materials with Alcoa Siding. Just call your Barrett representative, or contact us direct.

DISTRICT SALES OFFICES: BIRMINGHAM 8, Ala.—1327 Erie St.; CHARLOTTE 1, North Carolina—1125 East Morehead St.; CHICAGO 54, Ill.—Merchandise Mart; CLEVELAND 15, Ohio—3121 Euclid Ave.; HOUSTON 11, Texas—323 South 67th St.; MALDEN 48, Mass. — 378 Commercial St.; NEW YORK 16, N. Y.—261 Madison Ave.; PHILADELPHIA 46, Pa.—36th and Grays Ferry Ave.; ST. PAUL, Minn. — 764 Vandalia St.

BARRETT DIVISION
40 Rector Street, New York 6, N. Y.

Allied Chemical


ALCOA SIDING
MADE BY ALCOA
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MADE BY ALCOA

NOW!

THE FIRST AND ONLY ALUMINUM SIDING MADE BY ALCOA

New! Horizontal and vertical siding, insulated and noninsulated —all *Alcoa-made* for home modernization and new construction!

NATIONWIDE PROMOTION REAPS PROFITS FOR YOU!

- NETWORK TELEVISION—Alcoa Theatre, NBC-TV, Alcoa Presents, ABC-TV, 50,000,000 impressions.
- NATIONAL MAGAZINES — Full-color advertisements total 32,000,000 impressions.
- FULL-PAGE NEWSPAPER ADVERTISEMENTS — Commanding announcements in 176 major markets for 90,000,000 impressions.
- PROMOTION SUPPORT—Brochures, stuffers, mats—all you need.

With 396 years of building products experience among them, these great names chose to distribute Alcoa® Siding.

BARRETT DIVISION OF ALLIED CHEMICAL CORP., 40 Rector Street, New York 6, N. Y.

BIRD & SON, INC., East Walpole, Mass.

THE PHILIP CAREY MANUFACTURING CO., Lockland, Cincinnati 15, Ohio

THE FLINTKOTE CO., 30 Rockefeller Plaza, New York 20, N. Y.

MASTIC CORP., 131 S. Taylor Street, P. O. Box 65, South Bend, Ind.

Now available from stock, nationwide . . . **call your distributor today!**

SPECIFY THE SIDING THE EXPERTS CHOOSE!

ALCOA SIDING MADE BY ALCOA

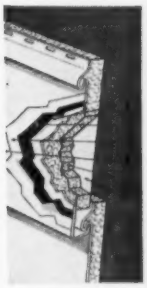
MADE BY ALCOA

ALUMINUM COMPANY OF AMERICA • PITTSBURGH 19, PA.

8 OUT OF 10 KNOW IT . . . TRUST IT!

Sell the Alcoa label: known at sight to 80 per cent of America as the sign of aluminum *quality!* It marks every inch of new Alcoa Siding—*first* and *only* siding made by Aluminum Company of America, world's leading producer of aluminum!

NEW ALCOA SIDING IS SIX WAYS BETTER!



1. New, stronger Alcoa Aluminum alloy used for the first time in siding!
2. Special alclad laminated metal coat for lifelong corrosion resistance!
3. Bonderized surface grips paint, defies chipping and peeling!
4. Specially developed Alcoa Alumalure® finish gives maximum life for outdoor exposure conditions.
5. New factory-applied foam insulates against heat and cold!
6. Alcoa reflective foil backing retains 95 per cent of furnace radiant heat!

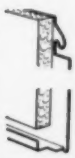
ALCOA HORIZONTAL SIDING
for popular clapboard effect, traditional or contemporary styling

ALCOA VERTICAL SIDING
for modern board-and-batten effect, individual styling

ALCOA SIDING ACCESSORIES FOR HORIZONTAL AND VERTICAL IN MATCHING COLORS: Window and door trim, starter strip, undersill and general-purpose trim, window head flashing, inside corner post, outside corner post, vertical base flashing.

Full panelized construction cuts installation costs: insulating foam and foil backing come already attached.

Interlocking panels go up smoothly, quickly and neatly.



Prenotched ends save cutting and fitting on the job.

Nailing slots speed installation and allow for expansion.

SUNLINE SURVIVES THE HAMMER TEST! Where other sidings yield under hammer blows, Masonite hardboard comes through undaunted—*undented!*

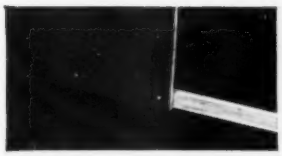
Shadowvent®. A horizontal siding featuring a ¾" shadow line, concealed nailing, vented courses. Easy alignment, fast application, factory-primed.

Newest thing beneath the sun: Board'n batten all in one!

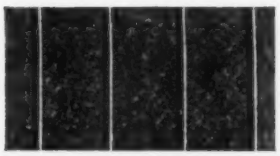
SUNLINE SIDING

Give your homes the charm of this original new siding treatment. With *Sunline* siding your homes have a vertical accent built right in—the raised ribs every 8″ are an integral part of the siding itself. Sunline goes up in handy 4′ x 8′ to 4′ x 16′ panels. No wasteful cutting necessary—your first cost is your last cost.

How handsome new Sunline looks as the smooth, rounded ribs catch the play of sun and shadow—truly a new exterior appeal! How lasting, too! Like all Masonite® hardboard sidings, Sunline is virtually dent-proof...won't split, splinter or check... holds paint better and longer. See for yourself...*use Sunline in your homes along with these other popular Masonite sidings.*



Lap Siding. A popular and economical horizontal siding in 12″ and 16″ widths. Lap siding available prime-coated.



Panelgroove®. A panel siding 4′ wide, lengths to 16′ with vertical grooves every 4″, 8″ or random. Comes factory-primed.

Ridgegroove®. Similar to Panelgroove with the addition of a fine combed surface between the grooves. Prime-coated.

Ridgeline®. A 4′-wide panel in lengths to 16′. Continuous combed surface gives pleasing effect. Prime-coated.

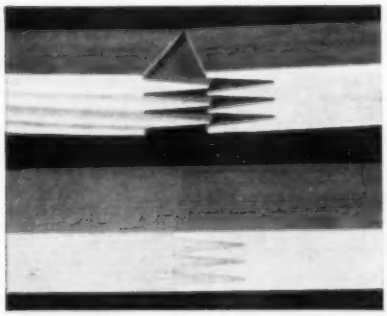
Get Sunline and other Masonite sidings through your lumber dealer or Masonite salesman. Or write Masonite Corporation, Dept. AB-4, Box 777, Chicago 90, Ill.

MASONITE CORPORATION

®Masonite Corporation—manufacturer of quality panel products for building and industry.

Weyerhaeuser NU-LOC is lumber produced for specific needs and better performance

NU-LOC is made of selected pieces of scientifically kiln-dried lumber, carefully machined for precision fit. The pieces are end-glued or end- and edge-glued together with a light-color waterproof exterior glue, then finished to uniform smoothness. Lumber to be used for NU-LOC is cut thicker than regular stock to allow for surfacing after gluing. In order to minimize differences in color and grain, the pieces are sorted and matched into as many as five groups (depending on species) before gluing. Melamine urea resin adhesive is used because it creates a strong bond that is both waterproof and colorless.



Close-up shows precision-machined, interlocking Nu-Loc end joint before and after bonding.

Principal Advantages

NU-LOC improves appearance by presenting a smooth, even surface with snug fitting joints. It takes and holds paint or varnish extremely well. NU-LOC cuts labor costs by minimizing cutting, fitting, and handling time. It speeds construction by covering more area faster, and reduces waste because you order it in the lengths and widths you need. Made only of kiln-dried lumber, it has good dimensional stability, lays flat, resists cupping and warping.

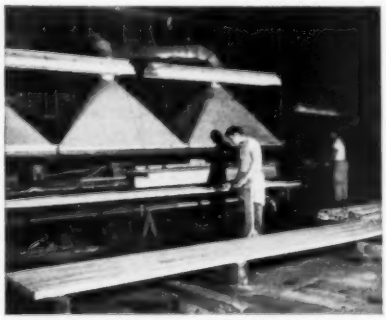
Principal uses of NU-LOC

NU-LOC is interchangeable with regular lumber in all non-structural uses. NU-LOC is offered in American Lumber Standard and in West Coast Industry sizes. It is made in clear grades of Douglas Fir, Western Red Cedar, West Coast Hemlock, Ponderosa Pine, Idaho White Pine, Inland Red Cedar and Larch . . . and is also available in common grades of Idaho White Pine, Inland Red Cedar and Larch/Douglas Fir.

Nu-Loc exterior wall coverings—drop siding, vertical patterns, board and batten—are available in lengths to 22′, widths to 12″—bevel siding in lengths to 16′. *Nu-Loc casing and base*, and *Nu-Loc mouldings* are available in standard patterns, and in specified or random lengths. *Nu-Loc door jamb sets* are made in many sizes and patterns. Wide NU-LOC Lumber can be ordered in lengths to 20′, widths to 28″. NU-LOC Lumber is also ideal for window frames, cornices, rake trim, soffits, fascias, porch ceilings, signs, cabinet faces, shelving, drawer sides, drawer fronts, stair trim, valances, and bay window sills.

Fully Accepted

The combination of modern equipment, carefully trained operators, and strict quality controls assure consistent uniformity and durability. NU-LOC is backed by over 20 years of research, testing, and development. It is produced in accordance with grading rules of the West Coast Lumber Inspection Bureau or Western Pine Association.



For wide widths, the end-glued pieces are grain matched and edge-glued together.

Summary

Advantages in wider widths: Gluing up of narrow pieces tends to stabilize wide widths by reducing cup and twist. NU-LOC provides wider widths than available in regular lumber.

Advantages in long lengths: Long lengths of NU-LOC require fewer end-fitted joints to give better appearance and save labor. Both specified and fractional lengths are available in quantity.

For additional information write: Weyerhaeuser Company, Lumber and Plywood Division, First National Bank Building, St. Paul 1, Minn.

Save man hours—improve appearance—with made-to-measure NU-LOC

Weyerhaeuser's NU-LOC is manufactured lumber, produced to meet your needs in both extra wide and/or extra long length boards. Unlike many new building products, NU-LOC can give you savings on every job, large or small. It makes cutting and fitting time a minor cost factor, speeds construction, reduces waste—all this on top of improving appearance. It is ideal for such uses as soffits, fascias, door jambs, mouldings, shelvings, cornices, and stair trim . . . and for bevel, board-and-batten, board-on-board, and drop siding. Weyerhaeuser NU-LOC, a 4-Square Product, is precision manufactured from scientifically kiln-dried lumber. You can depend on its quality. The opposite page gives additional information on its use and performance. Your Weyerhaeuser 4-Square Lumber Dealer will be glad to show you samples and quote on specific applications so that you can see the savings NU-LOC offers you.

Weyerhaeuser Company
Lumber and Plywood Division

Flintkote salesman
P. J. Keigher tells why...

Flintkote's line of strip shingles are the greatest buy in roofing!

"Take our 12" Tapered Strips, for example. They pack 25-35% more weight at the exposed tab. This extra weight—up to 60 lbs more per square than in other premium shingles—makes Tapered Strips the most dependable protection you can give a roof."

"Our Seal Tabs," continues Phil, "have a special adhesive applied to the underside of the butt. The sun's heat bonds the Seal Tabs together so that not even hurricane winds can lift them."

"The 12" Thikbut shingles give you two shingles to sell for the price of one. They're double thick at the butt—the place where the sun hits and breaks down ordinary roofing."

For particulars, literature on Flintkote's complete line of roofing, see your Flintkote representative. You will find him a great guy to work with... and he knows his stuff in building materials.

FLINTKOTE

America's broadest line of building products

The Flintkote Company, 30 Rockefeller Plaza, New York 20, N. Y

reflects

up to 95%

of radiant heat!

The original multiple layer aluminum foil insulation, ALFOL is the natural adjunct to modern electric heating. Scientifically designed to resist all known forms of heat loss (*beginning* with radiation), the patented ALFOL blanket helps get the utmost in operating economy out of every electric heating system.

8 reasons why ALFOL is the ideal insulation for electrically-heated homes

High thermal efficiency. In electrically-heated homes, effective insulation is doubly important. By resisting all 3 forms of heat loss, ALFOL delivers exceptional insulating value...holds annual heat costs to the practical minimum.

Complete condensation control. To cope with the problem of high inside humidity, ALFOL affords superior condensation protection. That's because ALFOL provides a separate vapor barrier that is positive *and* continuous. (It's applied in unbroken lengths.)

"Plus" summer value. To go along with the extra *winter* comfort afforded by electric heating, ALFOL gives you superior summer comfort as well. In the famous Bureau of Standards summer comfort tests, for example, it took only two layers of aluminum foil to surpass the down-heat efficiency of full-thick bulk insulation.

Instant thermal action. Instead of "soaking up" heat, ALFOL reflects it...instantly, continuously. This low heat storage capacity means faster heating in winter, faster cooling in summer.

Positive application. ALFOL application is simple, positive, virtually foolproof. All you do is staple the flanges—the multiple aluminum foil layers space themselves automatically!

Clean, permanent, dust-free. ALFOL is as clean, permanent and odorless as electric heat itself! Made of pure aluminum foil, there's no dust or dirt...no fibers to sift through walls, etc.

Wind-resistance. Applied in continuous and unbroken lengths, the ALFOL insulated panel is completely sealed, top to bottom or wall to wall. No infiltration of wind, no drafts.

Low installed cost. For comparable efficiency (as calculated by NEMA specifications), ALFOL usually costs less in place than any bulk-type insulation you can buy! Savings on handling, storage and application make this amazing economy possible.

ALUMINUM FOIL ALFOL® INSULATION

Please send **FREE ALFOL DATA SHEETS** on insulating for electric heat for the following design temperatures:

CHECK BOXES
☐ +20°F
☐ 0°F
☐ −20°F

REFLECTAL CORPORATION, Department A-75
A subsidiary of Borg-Warner Corporation
200 South Michigan Avenue, Chicago 4, Ill.

Name_____
Firm_____
Address_____
City_____ Zone____ State____

REFLECTAL®

Borg-Warner®

In interiors, too, wood combines an essential structural function with decorative effects—saving builders the cost of additional interior finishing. Wood paneling is one of the most popular extras, helps make any house more salable.

Because wood makes individuality practical at any price . . .

built of WOOD means built to sell

Today, more and more buyers are in the market for a home that is completely their own . . . unique in styling, taking full advantage of site orientation, planned around their own special family needs and way of life. But how to build a house with that one-of-a-kind look without going overboard on cost? *Wood* is helping builders find the answer.

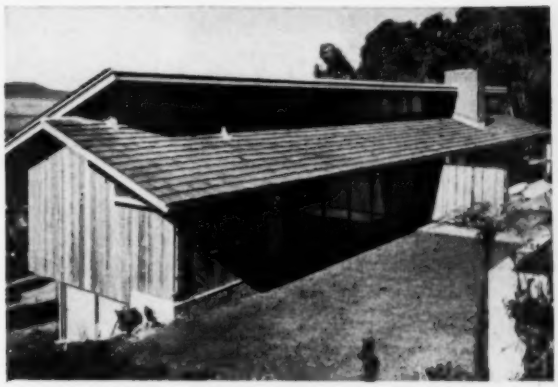
No other material is so adaptable to such a wide range of size and cost specifications. No other material conforms so readily to any architectural style, yet allows for *economical* variations on the basic design. Luxury touches such as hardwood floors, paneling, exposed posts and beams do a double job. They are structurally important *and* decorative. These customized features go a long way toward creating a feeling of value . . . a receptive buying atmosphere that helps you *sell more houses* and *make more profit* on each sale. For more information on better homes of wood, write:

NATIONAL LUMBER MANUFACTURERS ASSOCIATION
Wood Information Center, 1319 18th St., N.W., Washington 6, D. C.

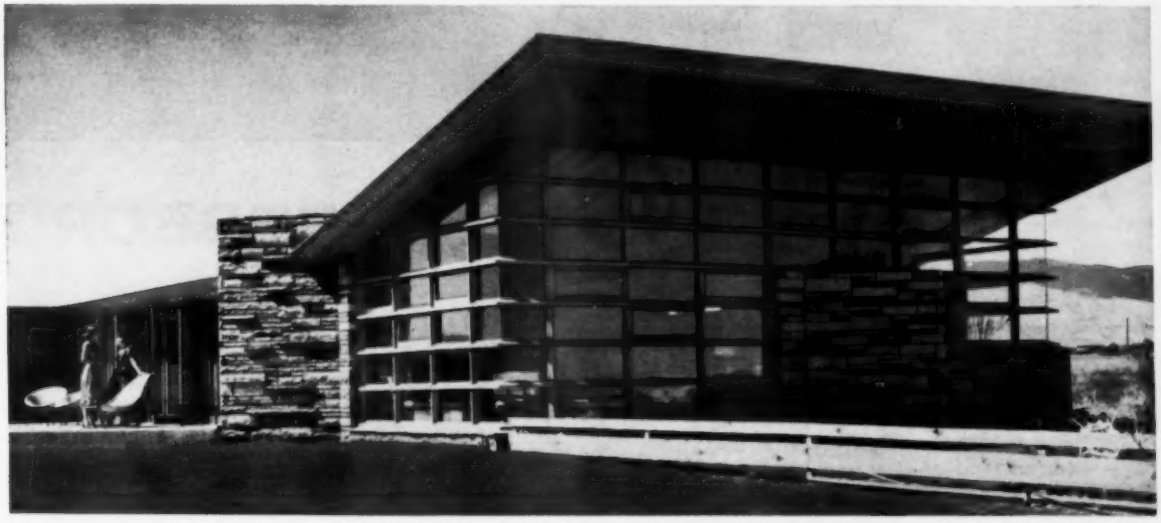
nlma

For built-in sales appeal, nothing takes the place of **wood**

Additions to homes are economically practical thanks to wood's availability and the ease with which it can be handled by workmen. And wood is traditionally right for so many home styles.



Wood is equal to any site problem as witnessed by this home perched on a California hillside. Wood's easy portability makes economical construction possible on the most difficult terrain.



A fine example of how wood construction can help the builder translate even the most advanced designs into reality. Readily-available wood framing used imaginatively makes practical this dramatic expanse of glass. A deep wood overhang shields window areas from both sun and rain.

DOW | BUILDING PRODUCTS

New size SCORBORD snaps into 4"

...6"

...12"

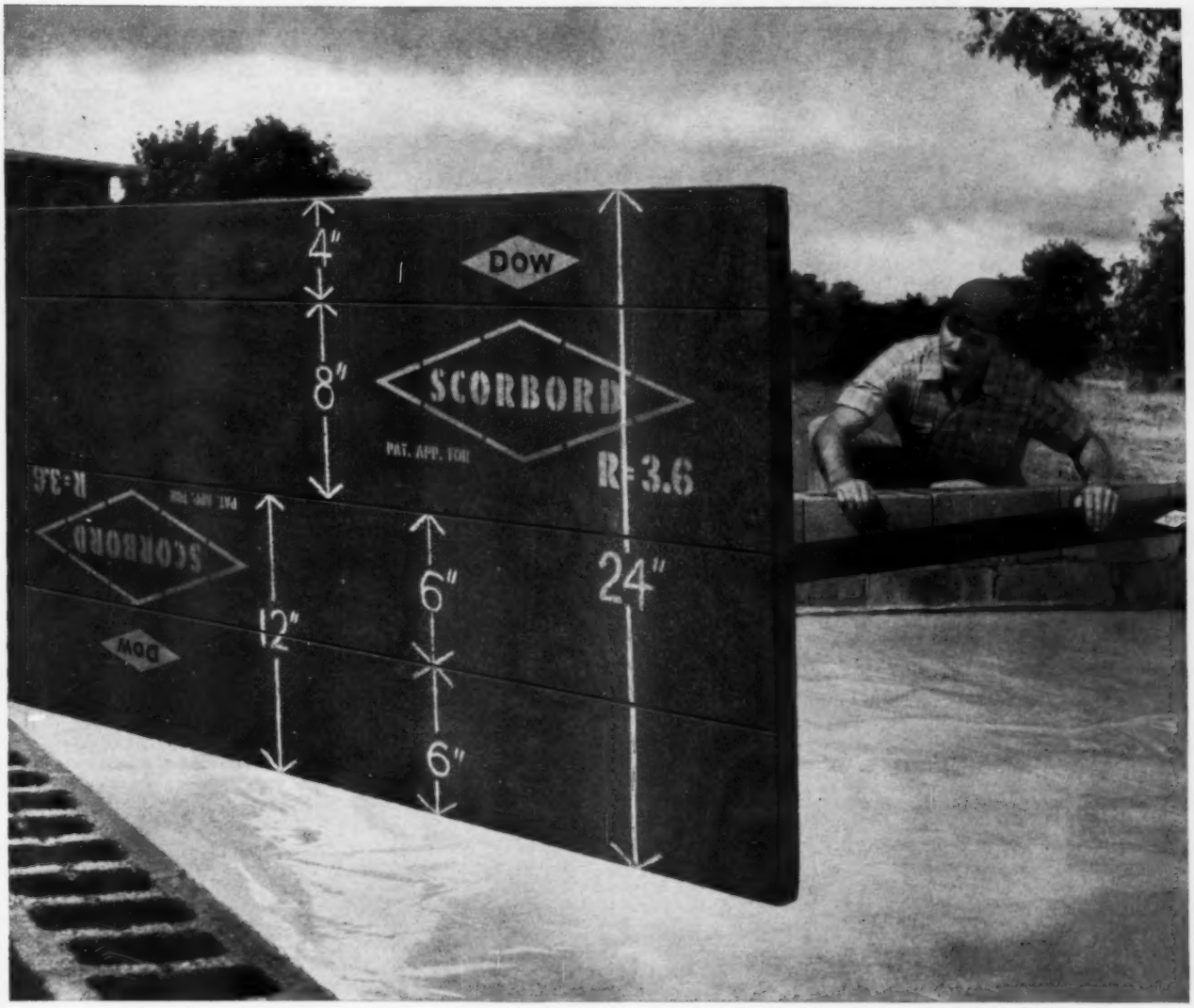
...OR 18" WIDTHS

NEW SCORBORD®

Dow's pre-scored perimeter insulation now meets new FHA-MPS minimums for both widths and thicknesses.

Dow, first with a pre-scored perimeter insulation, has redesigned Scorbord† to help you follow these new standards quickly and economically. Scorbord, expanded polystyrene insulation board, eliminates up to 80% of on-the-job cutting and fitting. Each 24" board breaks readily into 12" or 18" widths for horizontal placement and into 4", 6" and 12" sections for vertical edging. The nominal thicknesses of Scorbord also meet FHA-MPS requirements for "R" values.

Scorbord saves money on materials, too, because it serves as its own moisture barrier. It's lightweight, easy to carry and handle . . . has plenty of compressive strength to support a concrete slab.



MEETS NEW FHA-MPS

For more information about Scorbord, contact the Dow sales office near you or write to us. THE DOW CHEMICAL COMPANY, Midland, Michigan, Plastics Sales Department 1611D4.

†Patent applied for.

POLYFILM®—Dow's top quality polyethylene film is now available nationally in all standard widths and thicknesses.

Dow Building Products at work

STYROFOAM*—Permanent insulation for cavity walls; replaces furring and lath as an insulation-plasterbase. Rigid, low "K" factor, resistant to water and water vapor.

ROOFMATE*—Rigid insulation for built-up roofs serves as its own moisture barrier. Reduces blistering, resultant leaks.

SARALOY* 400—Elastic thermoplastic sheet flashing conforms to almost any shape, adheres to most building materials. Expands, contracts with other materials.

*Trademark

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

ZONOLITE® WATER-REPELLENT MASONRY FILL INSULATION

FASTER...LOWER COST WAY TO INSULATE BLOCK AND CAVITY WALLS!

● Flows freely into cores or cavities ...no cutting, no furring out...no waste. Drastically reduces costs of both materials and labor.

● Fills 100%, as in this concrete block wall. Won't settle, stays effective *always*. Will not permit transfer of moisture from outer to inner wall surface.

Builders Hail Seven Benefits of New *Water-Repellent* Insulation!

Faster: High-speed installations (as pictured) cuts costs as much as 60%.

Cut Heat Loss: Up to 50% savings because it doubles wall insulation values.

Stays Dry: Patented process insures against water damage to insulation.

Reduces Cooling Costs: Saves up to 25% in cooling costs, permits use of smaller units.

Non-Settling: Retains its uniform, tamper-proof density.

Economical: Lower initial cost, less expensive to install. (As little as ½ to ½ the costs of insulation heretofore applied to inner wall surfaces.)

Increases Comfort: Minimizes condensation, keeps inner walls warmer in cold weather, insures your client's lasting satisfaction.

With all these advantages, it's no wonder more and more builders across the country are using ZONOLITE Water-Repellent Masonry Fill Insulation for block and cavity walls. To learn how you can insulate masonry walls faster and more economically, mail the coupon *today*.

Mail Coupon For FREE DATA ⇨

ZONOLITE COMPANY—Dept. AB-40, 135 South LaSalle St., Chicago, Ill.

Please send me *free* literature telling me more about new Zonolite *water-repellent* Masonry Fill Insulation.

Name _____

Firm _____ Title _____

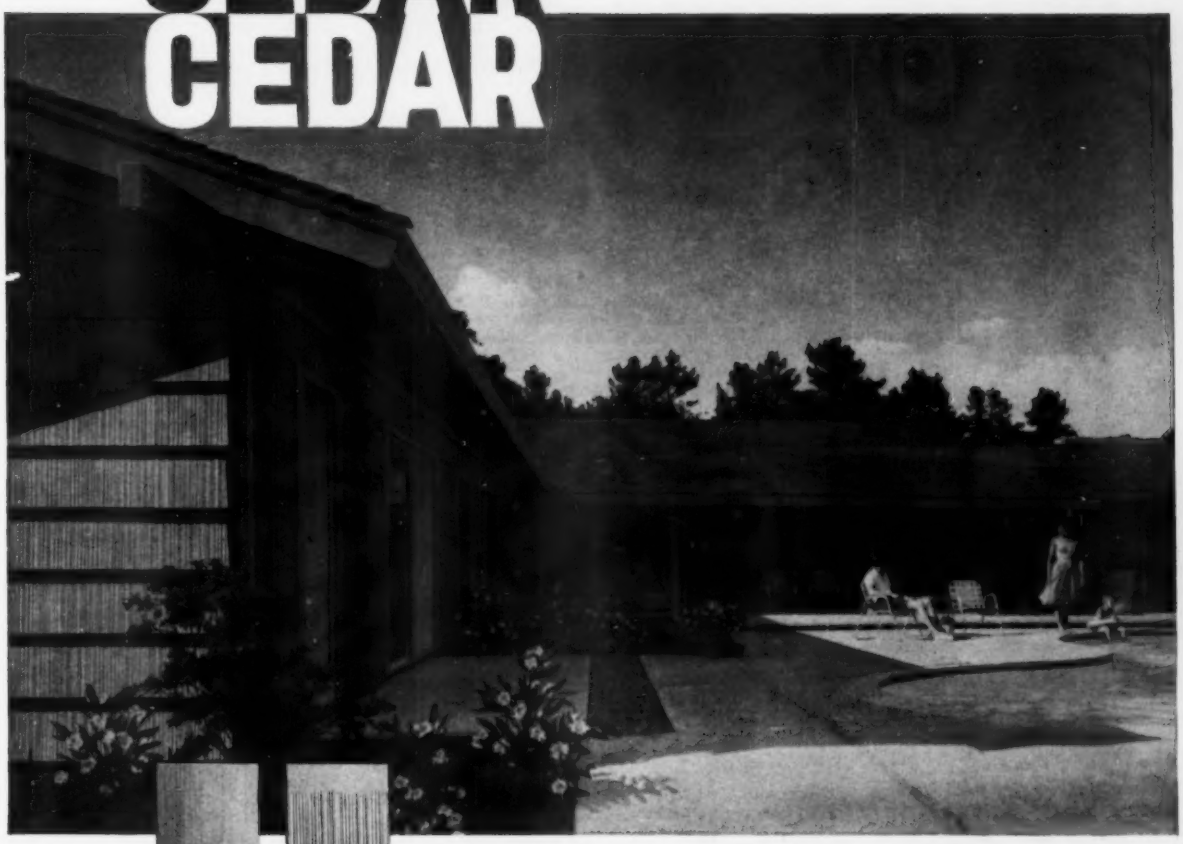
Address _____

City _____ Zone _____ State _____

Two ways to say quality

Your prospects can tell a great deal about a home–and its builder–by the level of quality they see used on the exterior. That's one of the reasons so many fine new homes feature cedar shingle roofs and cedar shake walls. Cedar says quality. Those three, long-lasting layers of cedar shingles on the roof . . . the unmistakable thickness of a double-coursed cedar shake wall . . . make a lasting impression on quality-conscious customers. This is the season to put the quality of genuine cedar on your selling team!

CEDAR CEDAR



For complete application details, see your Sweet's File, or write...

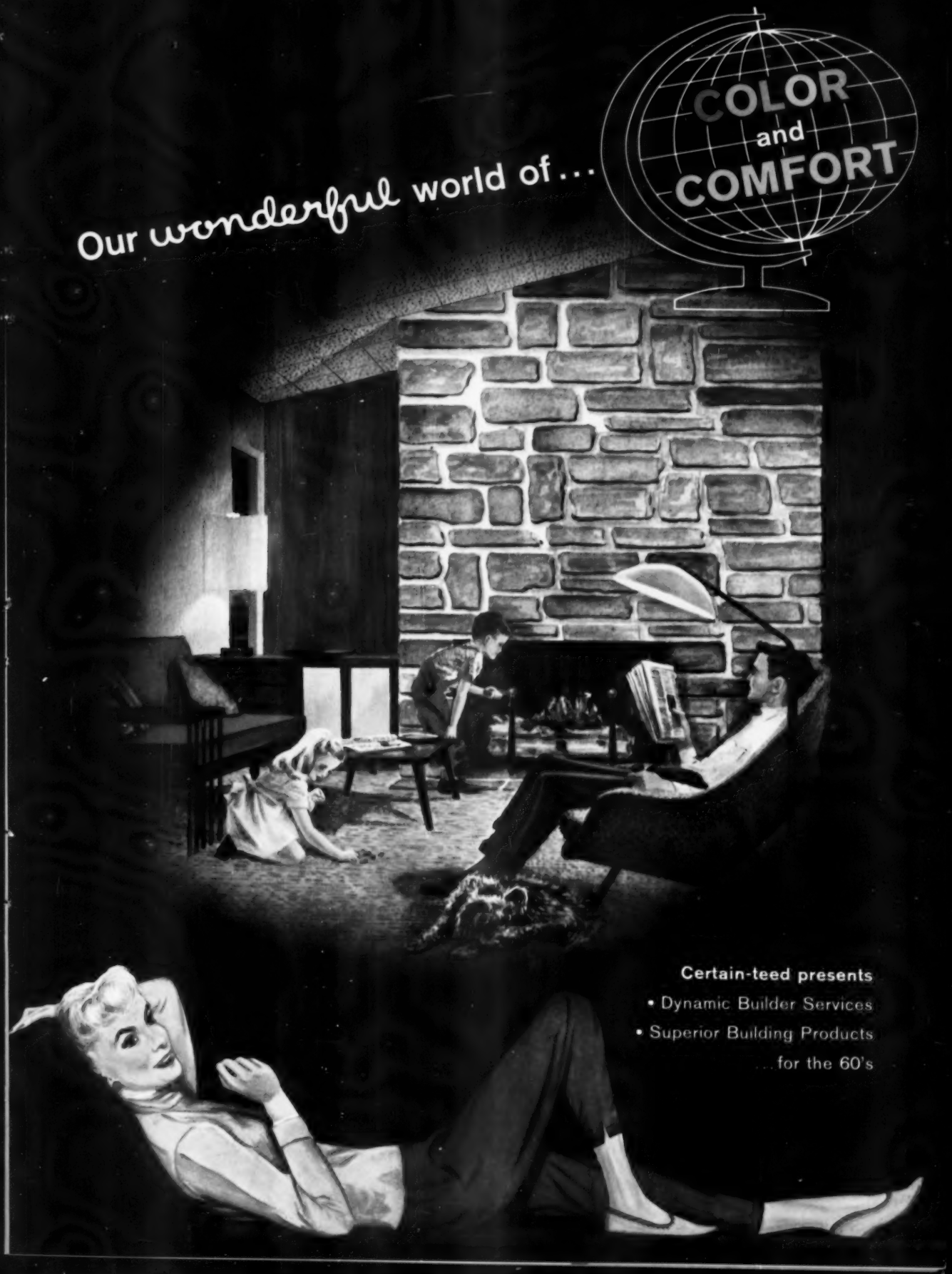
RED CEDAR SHINGLE BUREAU

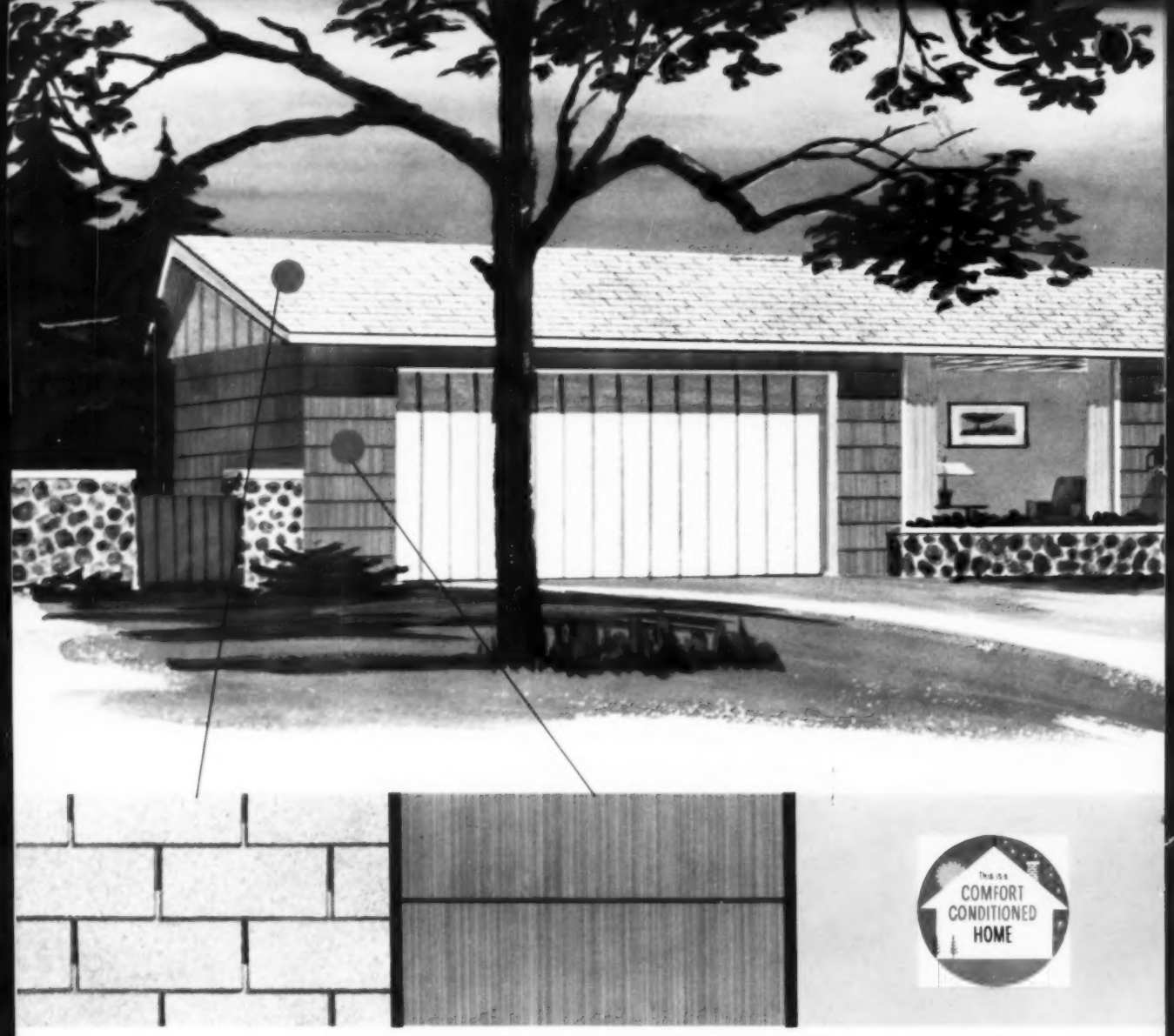
5510 White Building, Seattle 1, Washington
550 Burrard Street, Vancouver 1, B. C.

(Continued from page 146)

MASCO Simpson Mark Mfg Co Inc
MARZOLF Farwell Metal Fabricating
MASLAND DURAN CLAD Masland Duraleather Company
MASON-DRI Sapolin Paints Inc
MASONITE Masonite Corp
MASONIZE American Asbestos Prod Co
MASON-SEAL Calbar Paint & Varnish
MASTER-BILT Bird & Son Inc
MASTER-CAULK Calbar Paint Varnish
MASTER CLEANER & POLISH Miraplas Tile Co
MASTER CRAFT Met-Cro Specialties Co
MASTER-FLUSH DOOR Hardwood Prods
MASTER GLAZIERS Biddle Co
MASTER HASPS Master Lock Co
MASTERKURE Master Builders Co
MASTER MASTIC Miraplas Tile Co
MASTERMIX Master Builders Co
MASTERPLATE Master Builders Co
MASTERPLY Aetna Plywood & Veneer
MASTER PROFESSIONAL 8 Holt Mfg Co
MASTIC Crown Tile Corp
MASTICBOARD Camp Co Inc
MATICO Mastic Tile Div Ruberoid Co
MATICO ARISTOFLEX Mastic Tile Div
MATICO CONFETTI Mastic Tile Div
MATICO DELUXE Mastic Tile Div
MATICO MATICORK Mastic Tile Div
MATICO MATICOVE Mastic Tile Div
MATICO PARQUETRY Mastic Tile Div
MATICO SUPER DELUXE Mastic Tile
MATICOVE Mastic Tile Div Ruberoid Co
MAXAW Cummins Portable Tools Div
MAXIM-AIR Republic Steel Corp
MASTIPAVE Fiberboard Paper Prods Inc
MAYES Mayes Bros Tool Mfg Co
MAYFAIR Textron Metals Co
MAYFLOWER Mayflower Air-Cond Inc
MAZEMADE Maze W H Co
MC DONOUGH McDonough Mfg Co
MECHANIZED MOLE Molco Drilling Machines Inc
MELBOURNE National Lock Co
MELBOURNE Remington Alum Window
MEL-LUX Sapolin Paints Inc
MELLO-GLOSS Lowe Bros
MELLO-TEX Lowe Bros
MELLOTONE Mosaic Tile Co
MELLOTONE Lowe Bros
MELTOMATIC Wayne Chemical Prods Co
MENGELWOOD Mengel Co
MERCURY Vulcan Electric Co
MERCURYS Weatherbest Corp
MERLIN Fitzgerald M J Co
MERMAID Lehman Sprayshield Co
MERTLAND Hedges M M Mfg Co Inc
METALACE Plextone Corp of America
METALANE Monarch Metal Weatherstrip
METALBESTOS Metalbestos Div
METALLIC-LUX Lux Co Inc
METAL-LITE Rich Howard B Inc
METALLIC Lufkin Rule Co
METAL MASTER Wiss J & Sons Co
METAL MESH Alabama Wire Co Inc
METALOK Johns-Manville Corp
METALON Horn A C Div Sun Chem
METALSET Smooth-On Mfg Co
METALVENT Metalvent Corp
MET-CRO Met-Cro Specialties Co Inc
METERGAS Suburban Propane Gas Corp
MET-L-GLIDE Lock-Joint Window Co
METLVENT Hart & Cooley Mfg Co
METRODECK Goldsmith Metal Lath Co
METRO-MIX Bestwall Gypsum Co
MEZURALL Lufkin Rule Co
M-FLOOR Mahon R C Co
MIAMI-CAREY Miami Cabinet Div
MICARTA United States Plywood Corp
MICARTA Westinghouse Electric Corp
MICARTABORD United States Plywood
MICHIGAN Clark Equipment Co
MICROLITE Johns-Manville Corp
MICRO-LOK Johns-Manville Corp
MICROTEX Johns-Manville Corp
MIDGET Utica Radiator Corp
MIDGET Midget Louver Co
MIDGET (Roller) Metzgar Conveyor Co
MIDGET (Slat Closure) Wilson J G Corp
MIDLAND Lindemann A J & Hoverson
MIGHTY MIDGET PULLERS Coffing Hoist Div Duff-Norton
MIGHTY-MITE Remington Arms Co Inc
MIGHTY MITE Holly-General Co
MILCOR Inland Steel Products Co
MILDOOM Sapolin Paints Inc
MILLER Miller Frank B Mfg Co
MILMARK Wright Mastic Tile Div
MINABOARD Armstrong Cork Co
MINATONE Armstrong Cork Co
MINIATURES Buffalo Wallcraft Co Inc
MINNCOTE Minnesota Paints Inc
MINNFLO Minnesota Paints Inc
MINNSPAR Minnesota Paints Inc
MINUET GROUP Woodward Lee L Sons
MINUTE MAN Slaymaker Lock Co
MINUTE MOUNT Progress Mfg Co Inc
MIRCALE Corson G & W H Inc
MIRACLE Loxit Systems Inc
MIRACLE Newark Ladder & Bracket Co
MIRACLE BLACK MAGIC Miracle Adhesives Corporation
MIRACLE FLOOR Camp Co Inc
MIRACLE TAPE Gering Plastics Div
MIRACLE TUB CAULK Miracle Adhesive
MIRAMENT Seddon Co
MIRAPLAS Miraplas Tile Co
MIRARIM Elkay Mfg Co
MIRATRIM Miraplas Tile Co
MIRRO-CHROME Penn-Akron Corp
MISTY WALNUT Masonite Corp
MITCO Hendrick Mfg Co
MITY MIDGET National-Detroit Inc
MIX ELVATOR Air Placement Equip Co
MOBILWALLS Virginia Metal Prods Inc
MODEL MAID General Electric Co
MODERN-COTE New Castle Products Inc
MODERNFOLD New Castle Products Inc
MODERN MAID Tennessee Stove Works
MODERNWOOD Modernwood Co
MODU-AIRE U S Air Conditioning Corp
MODULART Weber Showcase & Fixture
MOE LIGHT Thomas Industries Inc
MODULITE General Bathroom Prods
MOEN Moen Faucet Div Standard Screw
MOHAWK Behr-Manning Co
MOHICAN Mansfield Sanitary Inc
MOIRE St Paul & Tacoma Lumber Co
MOISTOP American Sisalkraft Corp
MOLCOR Bemis Mfg Co
MOLY Wood Shovel & Tool Co
MONARCH Martin-Senour Co
MONARCH Dietz R E Co
MONCRIEF Henry Furance Co
MON-O-JECT Smith & Loveless Inc
MONOMAST Hyster Co
MONOPANL Butler Mfg Co
MONO-RAIL Extension Drawer Support
MONITOR Baker Mfg Co
MONO-FLASH Carrollton Manufacturing
MONOGRAM Monogram Industries Inc
MONOMASTER Boice Crane Co
MONO MAST Hyster Co
MONTEREY Flat Metal Mfg Co
MONTEREY (Screen Door) Rudiger-Lang Company
MONUMENTAL Ware Laboratories Inc
MOORE GAS HEATER Locke Stove Co
MOORE-O-MATIC Moore A E Co Inc
MOPA-COTE Mobile Paint Mfg Co
MOPACO VAR Mobile Paint Mfg Co
MOR-SUN Morrison Steel Products Inc
MORTASEAL United States Gypsum Co
MORTEX #5 Mortell J W Co
MOR-TILE Morton Ceramic Tile Co
MORTITE Mortell J W Co
MO-SPEED American Saw & Mfg Co
MOTELIER General Bathroom Prods
MOTO-BUG Koehring Co
MOTO-MIXER Chain Belt Co
MOTORDOR Broan Mfg Co Inc
MOTO-TRIMMER Bosworth Mfg Co
MOTRAC Motorola Communications
MOULCOVE Mastic Tile Div Ruberoid Co
MOULFLEX-JUBILEE Mastic Tile Div
MOULSTONE Thomas Moulding Floor Co
MOULTILE ASPHALT Mastic Tile Div
MOULTILE JUBILEE Mastic Tile Div
MOULTILE PARQUETRY Mastic Tile
MOUNT AIRY GRANITE North Carolina Granite Co
MOUNT VERNON Gerber Plumbing
MOYNO Robbins & Myers Inc
MOZEL Quartz Mosaic Inc
M P CIRCUIT BREAKERS Murray Mfg
MUD-JACK Koehring Co
MUELLERAIRE Mueller Climatrol Div
MUELLER CLIMATROL Mueller Climatrol Div Worthington Corp
MULE-HIDE Lehon Co
MULSOMASTIC Tremco Mfg Co
MULTI-CALKS Rawplug Co Inc
MULTI-CELL Pal-O-Pak Insulation Co
MULTI-COIL Ruud Mfg Co
MULTI-DIAMETER U S Expansion Bolt
MULTI-FIN Ruud Mfg Co
MULTIMATIC Seidlitz Paint & Varnish
MULTI-PITCH Home Comfort Co
MULTI-PURPOSE Flint & Walling Mfg
MULTI-SHINGLES Allied Chemical Corp
MULTI-SPRING Master Lock Co
MULTITINT Seidlitz Paint & Varnish Co
MULTI-USE DRIVERS U S Expansion Bolt Co
MULTI-VENT Pyle-National Co
MULTI-WOOD-BLOK Fair D L Lumber
MURALEX Blue Ridge Glass Corp
MURALON National Aluminum Co
MURALS Birge Co Inc
MURRAY Gladding McBean & Co
MUSI-KOM Home Music Systems Inc
MUSI-TALK Fanon Electronic Industries
MW-ONE Carey Philip Mfg Co
MW-50 Carey Philip Mfg Co
NAILDRIVER Morgan Machine Co
NAILMASTER Stanley Tools
NAILON-BRICK Ludowici-Celadon Co
NAIRN Congoleum-Nairn Inc
NAIRON CUSTOM TIFFANY Congoleum-Nairn Inc
NAIRON Congoleum-Nairn Inc
NAIRONTOP Congoleum-Nairn Inc
NAKORA United States Plywood Corp
NALCO National Lead Co
NALTEX Nalle Plastics Inc
NAM-A-LAC Mobile Paint Mfg Co
NANCY WARREN United Wallpaper Co
NARRO WALL Holly-General Co
NATCCO National Steel Cabinet Co
NATCHEZ FLAT ENAMEL Mobile Paint
NATCHEZ LUSTER-NAMEL Mobile Paint Manufacturing Company
NATIONAL Columbia Geneva Steel Div
NATIONAL Metal Trims Inc
NATIONAL INSTANT-HOT National Rubber Machinery Co
NATIONAL BRAND National Forest Prds
NATIONAL DISPOSER National Rubber Machinery Co
NATIONAL Tilley John S Ladders Co Inc
NATIONAL LIFETIME TILE National Tile & Manufacturing Company
NATIONAL LOCKSETS National Lock
NATIONAL National Window Corp
NAUTILUS NO-DUCT Major Industries
NAVAL Sloan Valve Co
NEGATOR BALANCETTE Caldwell Mfg
NEOCOAT Pennsalt Chemicals Corp
NEO-GLO Markel Electric Prods Inc

(Continued on page 190)


Our wonderful world of...
COLOR
and
COMFORT
Certain-teed presents
• Dynamic Builder Services
• Superior Building Products
...for the 60's



Certain-teed®

Color and Comfort Conditioned

Color-Tuned
by
Certain-teed
and
Beatrice West

Certain-teed
BUILDING PRODUCTS

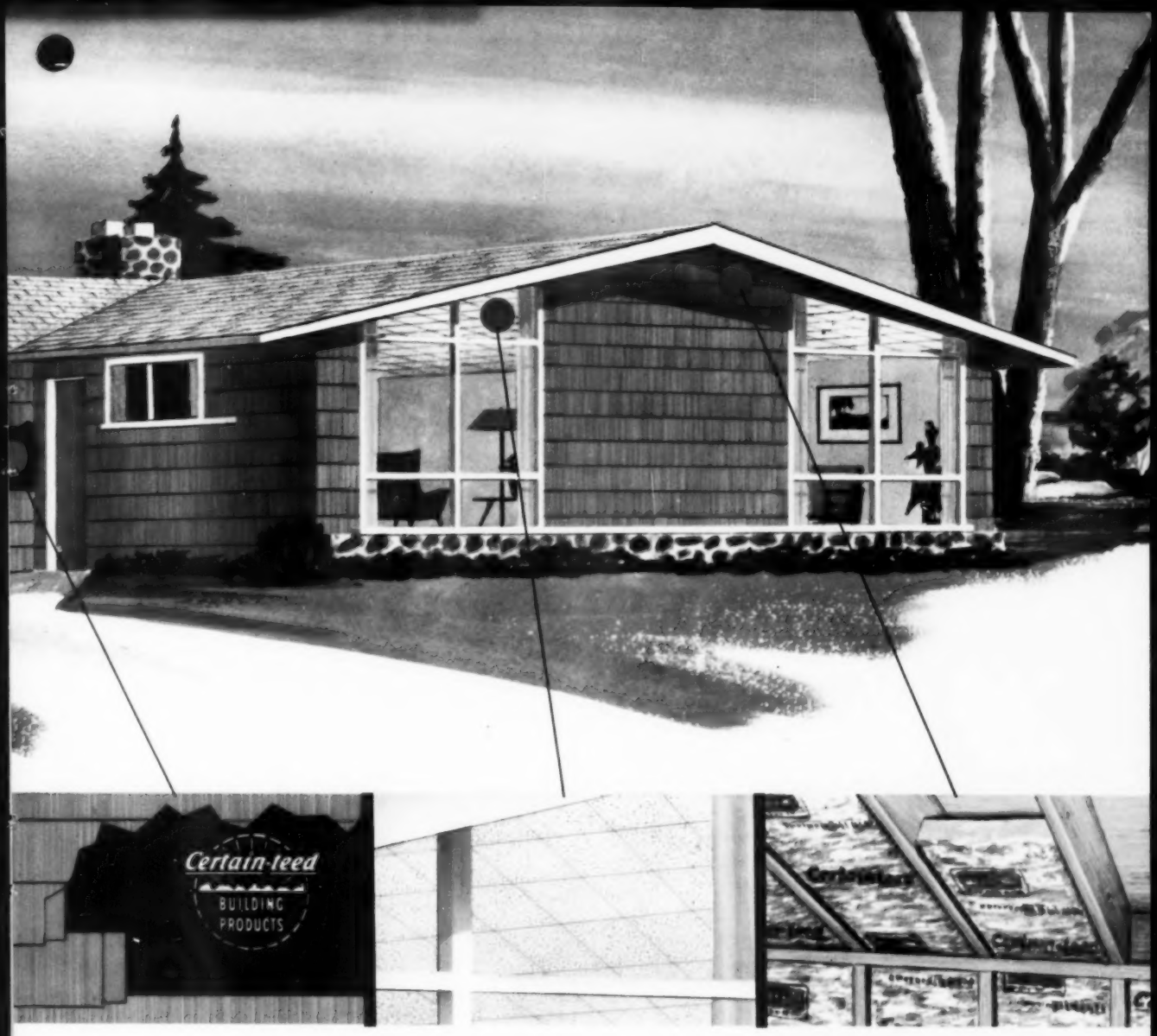
Superior Products through Creative Research

You can sell more homes in the 60's with this sales-powered trio

Color Styling Service—Features **free** exterior home color styling by Beatrice West, one of America's foremost color consultants.

Complete Merchandising Program—Features a variety of Color Tuned and Comfort Conditioned promotional tools to help you sell more homes . . . and sell them faster.

Color-and-Comfort Promoted Products—Performance proven! Inside or outside . . . Certain-teed products offer all the qualities every home owner wants.



Services offer you 3 big advantages

YOU OFFER CUSTOMERS A WORLD OF COLOR with **Color Tuned Quality Asphalt Shingles.** Tough, weather-resistant, they're color styled by Beatrice West to achieve exterior color harmony . . . from a single home to an entire community! What a beautiful way to protect your prospects' homes. **Insulating Sidings** and **Asbestos Sidings** are designed to blend with any Certain-teed roof. To acquire an exciting new sense of depth and beauty, Asbestos Siding can be applied directly over **Certain-teed Shingle Backer.**

YOU OFFER CUSTOMERS A WORLD OF COMFORT with a Comfort Conditioned Home. Start with Full Insulation. **Certain-teed Fiberglas Building Insulation,** made by Owens-Corning and promoted nationally through the Comfort Conditioned Home Program, is your assurance of customer satisfaction. For smart ceilings, insist on **Certain-teed Decorative Insulation Tile.** You offer decoration, insulation and sound control . . . all in a single comfort-crafted tile. Wrap every home in comfort with **Certain-teed Insulating Sheathing.** Designed specially for superior racking strength, the new **Hi-Strength** ½" and the standard 25/32" completely eliminate the need for corner bracing when applied according to manufacturer's specifications. It also offers high resistance against moisture plus excellent insulating qualities.

Color-Tuned
by
Certain-teed and Beatrice West

Dynamic builder services designed to help you sell homes ...and sell them faster!

GET GREATER SALES POWER from Certain-teed Color Tuned Roofing Systems Program, featuring the **free** Color Styling service of Beatrice West. Under the auspices of Certain-teed, Beatrice West will completely custom Color Style your entire development from your architectural drawings, bill of materials list and plot plans. **Over 30,000 homes have received this free service!**

Idea-packed Builder Kit includes:

- "Exclusively Yours" home opening folder
- Beatrice West Color Styled job signs
- suggested newspaper ads
- power-packed radio and TV commercials
- publicity Blue Print

ALL OF THE ABOVE, PLUS the advantages of Owens-Corning Comfort Conditioned Home Program!

featuring:

- consumer ads and listings in Life magazine.
- Stan Edge sound-slide film, "Selling on Purpose", for training new home salesmen
- Comfort Conditioned Home Site signs with panels
- pennants
- builder's merchandising kit
- decals for sample homes and builder trucks
- sample home insulation display

For more information and planning help, consult your Certain-teed representative, or write direct to Certain-teed Products Corporation.

This is a COMFORT CONDITIONED HOME

Certain-teed BUILDING PRODUCTS

Certain-teed® ... *Superior Products through Creative Research*

CERTAIN-TEED PRODUCTS CORPORATION
Ardmore, Pennsylvania
Plants and offices throughout the United States

Plywood with a Plus

SAVE 30% PLUS ON SINGLEWALL CONSTRUCTION WITH...

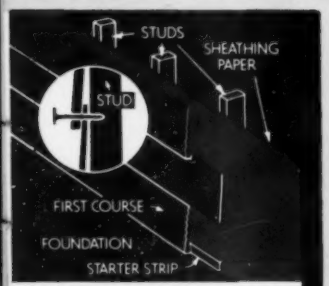
CREZON® OVERLAID PLYWOOD

FHA accepted singlewall construction eliminates sheathing costs and labor. Combine this new technique with CreZon overlaid lap, bevel or panel siding and you'll save at least 30% in material and labor costs on installations of comparable quality.

CUT LABOR COSTS...CreZon overlaid siding goes up quickly, easily, cuts cleanly, requires fewer nails for application.

CUT PAINT COSTS...CreZon is easy to paint. Two coats do the job of three. You save one-third the cost of paint and labor.

EXTRA DURABILITY...CreZon is a permanent wood fiber, resin-fused overlay that eliminates cracking, checking and grain rise in exterior plywood. Paint lasts twice as long. Write: Crown Zellerbach CreZon Sales, One Bush Street, San Francisco 19, California.



BEVEL SIDING of CreZon overlaid plywood is applied directly to studs.

These leading plywood manufacturers produce the highest quality overlaid plywood by bonding CreZon to DFPA Tested exterior grade plywood:

- Anacortes Veneer, Inc.
- Diamond Lumber Corp.
- Evans Products Company
- Georgia Pacific Corp.
- International Paper Company (Long-Bell Division)
- Roseburg Lumber Company
- Simpson Logging Company
- St. Paul & Tacoma Lumber Company
- United States Plywood Company
- Washington Plywood Company, Inc.
- Canadian Western Lumber Co.
- MacMillan & Bloedel, Ltd.
- Western Plywood Co., Ltd.

FHA ACCEPTED. Singlewall construction with CreZon saves 30% plus.

CROWN ZELLERBACH

CREZON SALES

Rugged Insulite Sheathing was also used on Hillside Apartments. Easy to nail, easy to saw, the Insulite panels cut application time, saved waste.

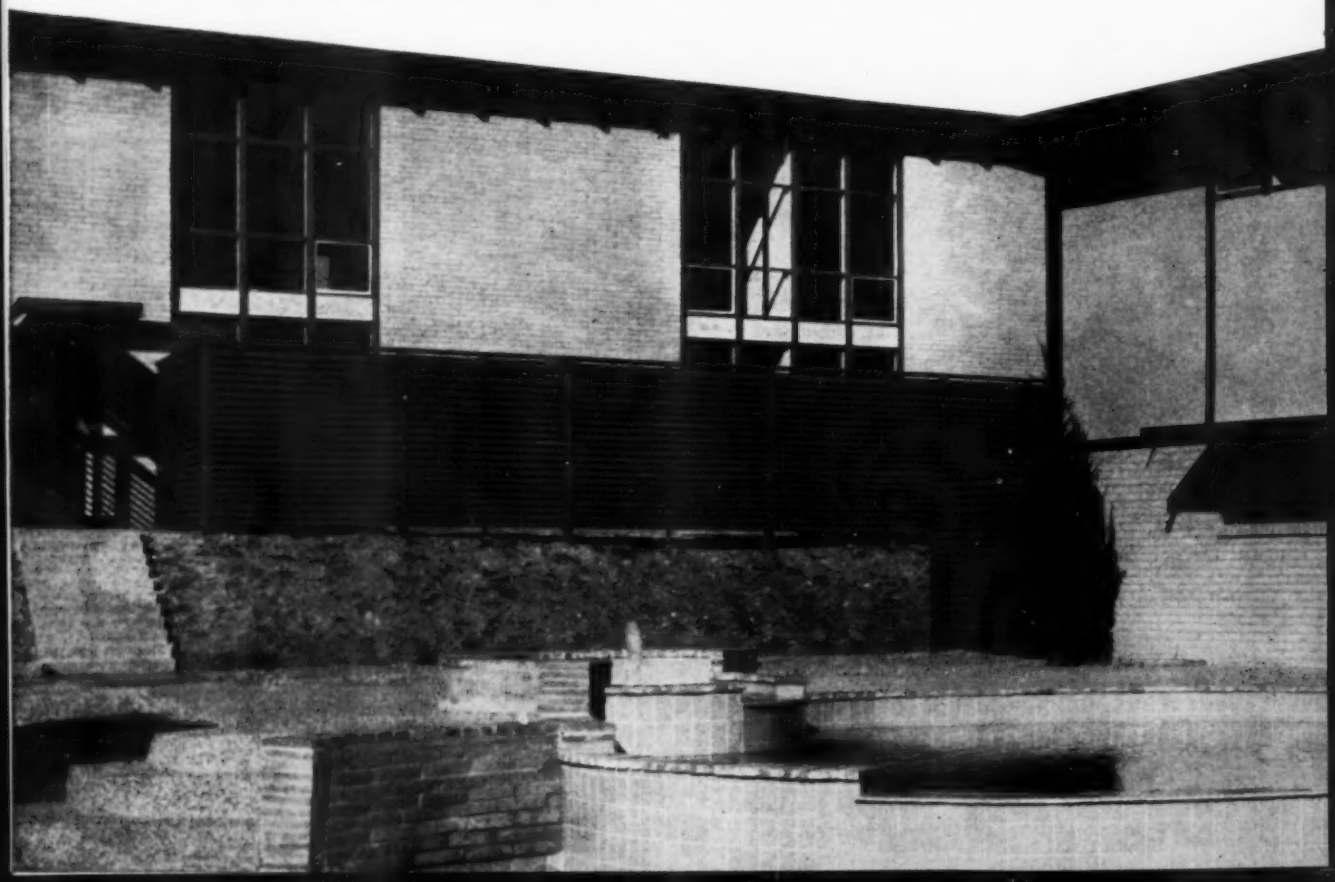
Strong, easily supports workmen. Insulite Roof Deck is made in 2′ x 8′ tongue and groove panels; 1½, 2 and 3″ thick. 18,000 ft. of 3″ type used on the job.

Four-in-one: decking, insulation, vapor barrier and finished ceiling are installed in one operation!

INSULITE, *made of hardy Northern wood*
Insulite Division of Minnesota and Ontario Paper Company, Minneapolis 2, Minnesota

INSULITE IS A REGISTERED TRADE-MARK, U.S. PAT. OFF.

Architects: Bailey A. Swenson & H. William Linnstaedter, A.I.A.



Houston luxury apartment uses Insulite Roof Deck for structural strength, ceiling beauty

It's roof decking, insulation, vapor barrier and pre-finished ceiling—all in one cost-saving package!

Builders Jerry McCall and Henry Hodell chose Insulite Roof Deck and Insulite Sheathing in creating this truly luxurious Hillside apartment on Houston's Memorial Drive.

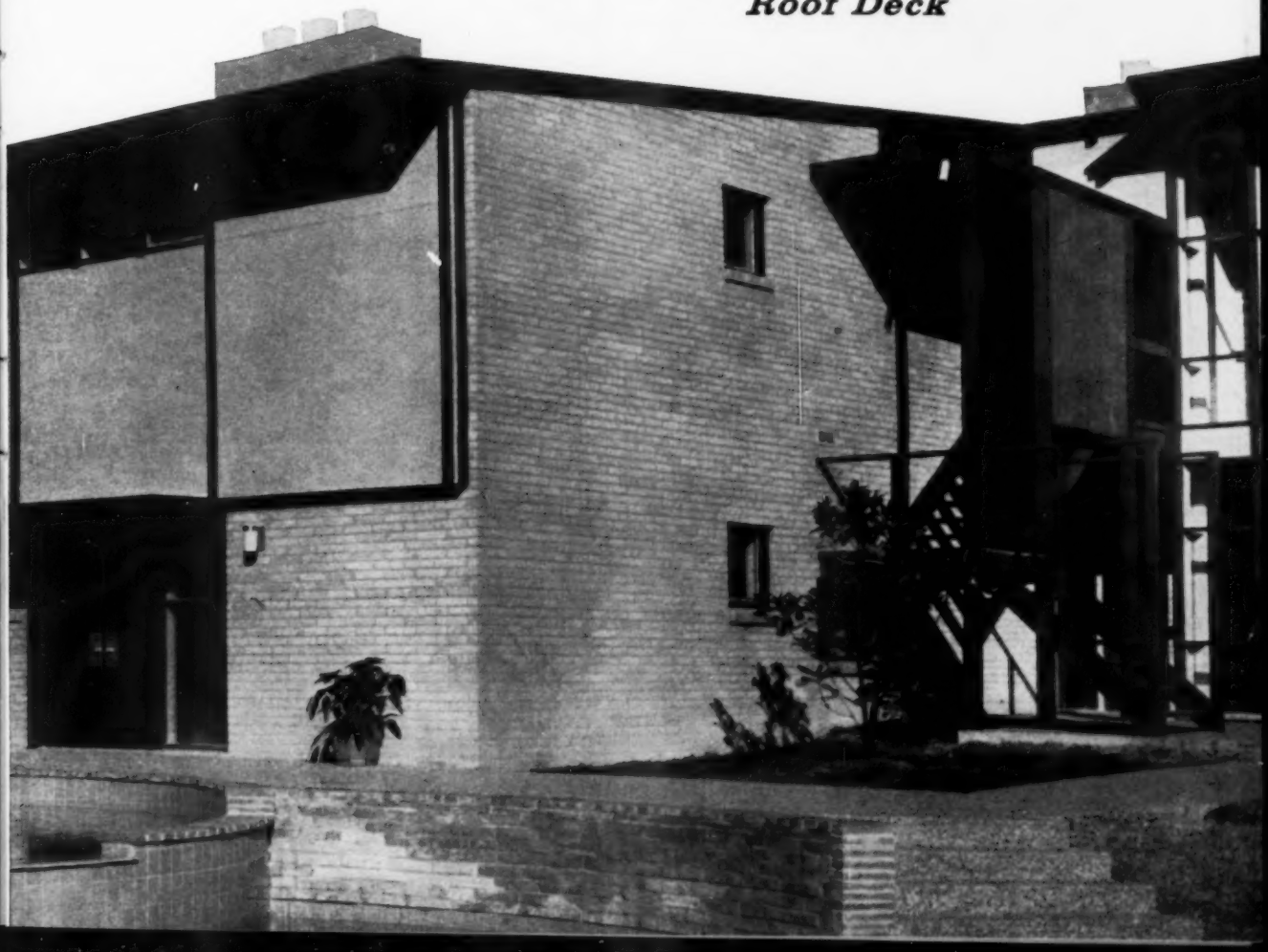
The exceptional decorative and functional characteristics of Insulite Roof Deck blend perfectly with the overall plan. The open beams provide a striking contrast against the gleaming white surface. Insulite Roof Deck's 4-in-1 functional advantage economically provides a strong, durable roof decking . . . efficient insulation . . . a continuous vapor barrier . . . an attractive, finished ceiling that can be "scrubbed" with soap and water—*all in one simple application.*

Save money, add beauty like this to your homes, apartments, commercial buildings—with Insulite Roof Deck. Contact your building materials dealer, or write Insulite, Minneapolis 2, Minnesota.

build better with

INSULITE®

Roof Deck



Mr. Builder: Stop 'em . . . Sell 'em . . .

Weyerhaeuser exterior hardboards will help you do the job

You can *stop 'em* (the discriminating home buyer) with distinctive exteriors of tempered Weytex hardboard. Here is a tasteful blending of decorative striated and grooved Weytex

panels . . . just one of the pleasing hardboard combinations you can use in your homes for siding, accent areas, soffits, gable ends, porch decking and fencing. Large panels go up fast . . . reducing labor costs and giving your buyer more house for the money.

You can *sell 'em* (the value and quality minded) on the all-season weatherability, durability and practicability of tempered Weytex hardboards. These panels have a built-in strength and toughness that resists splitting, marring and denting. When finished with paints or stains panels retain their fresh beauty for the lifetime of the home. And every hardboard panel is backed by the quality reputation Weyerhaeuser has earned over 55 years in the building products field.

"U" GROOVED STRIATED | STRIATED | "U" GROOVED SMOOTH

Tempered Weytex hardboards now available factory primed . . . ready for finishing.

"U" Grooved Weytex panels feature a modified shiplap edge which hides panel joints and maintains a continuous groove pattern. Battens or special joint treatments are not required. Panels are 4′ wide and up to 16′ long. Grooves are ⅜″ wide and 1/10″ deep, available in 4″ o.c., 8″ o.c. or random spacing.

For your Application & Specification Guide on the full line of Weyerhaeuser hardboards, write us at Tacoma, Washington

Weyerhaeuser Company
Silvatek Division

Manufacturers of Versabord and Versaflake particle boards and Ply-Veneer kraft-overlaid veneer

RUBEROID gives you quality where it will be seen!

LEO CHMIL, C & C HOME BUILDERS, INC., SOMERVILLE, NEW JERSEY: "The right combination of quality, color-styled roofing and siding adds extra value to new homes in the minds of prospects. This is one good reason why, for the past seven years, we have made RUBEROID products standard for the exteriors of our houses. RUBEROID roofing and siding add 'curb appeal' to our designs. We know our buyers will be satisfied. There is no question about it—RUBEROID products help us build attractive new homes *and* new home sales."

RUBEROID®

500 FIFTH AVENUE • NEW YORK 36, N. Y.

(Continued from page 180)

NEOPRENE ALL SEAL Stay-Tite Prods
NEOWOOD New Castle Products Inc
NEU-TONE Martin-Senour Co
NEVAMAR Nevamar Carefree Kitchens
NEVAMAR National Plastic Products Co
NEVER-STAIN Nichols Wire & Alum Co
NEW DIMENSION Sterling Faucet Co
NEW HOME Brown Stove Works Inc
NEW LONDONER Curtis Companies Inc
NEWPORT Hoover Bathroom Accessories
NEWPORT Webster Warren & Co
NEW STANDARD Extension Drawer Support Co
NIAGARA Niagara Furnace Division
NIAGARA MASONRY BLADES Carborundum Company
NICALUN American Abrasive Metals Co
NI-CLAD Lufkin Rule Co
NICHOLSON Nicholson File Co
#19 SHALLOW Strait & Richards Inc
NITEAIR Lau Blower Co
NO DRIP Mortell J W Co
NO-FIL Behr-Manning Co
NOMEC Lock-Joint Window Co
NON CON DUX Wilson Grant Inc
NORDAHL FEATHER-GLIDE Nordahl Sliding Door Frames
NORDAHL FEATHER-TOUCH Nordahl Sliding Door Frames
NORDAHL SPACEMAKER Nordahl Sliding Door Frames
NORK General Hardware Mfg Co Inc
NORMAN Sheridan Press Brick & Tile
NORMANS Paxton Brick Co
NORTH-LITE Great Northern Mfg Corp
NORTHERN-AIRE Great Northern Mfg
NORTH WIND Emerson Electric Mfg Co
NORTON Behr-Manning Co
NORWESCO Northwest Metal Products
NORWOOD Lawrence W W & Co
NORWOOD Northwest Door Co
NO SCRUB Goodyear Tire & Rubber Co
NOSTAIN Modern Swimming Pool Co
NO-TAR-IN Rutland Fire Clay Co
NOVO Novo Pump & Engine Co
NOVOPLY United States Plywood Corp
NU-AIR Meier Electric & Machine Co
NOX-EM-ALL Allied Chemical Corp
NU-ART Macklanburg-Duncan Co
NU-BRICK Protective Products Co
NU-CALK Macklanburg-Duncan Co
NU-C-MENT Allied Compositions Co Inc
NUCRETOR Air Placement Equipment
NUCUT Heller Tool Co
NU-GARD Macklanburg-Duncan Co
NU-GLAZE Macklanburg-Duncan Co
NU-HUE Martin-Senour Co
NU-LAP Protective Products Co
NU-LUME Macklanburg-Duncan Co
NUMETAL Macklanburg-Duncan Co
NU-PREST HARDBOARD Midwest Plywood Company
NU-RAIL Hollaender Manufacturing Co
NU-WALL Nu-Wall Mfg Co
NUSAN Modern Swimming Pool Co Inc
NU-WAY Macklanburg-Duncan Co
NU-WOOD Wood Conversion Co
NYLO Metzgar Conveyor Co
NYRACORD TWEED TILE American Mat
OAKWELD Harris Mfg Co
O-E Arro Expansion Bolt Co
OHIO AUTOCLAVED Ohio Lime Co
OHIO CABINETS Ohio Stamping Prods
OHIO EVER-READY Ohio Lime Co
OHIO SANLIME Ohio Lime Co
OHIO WHITE Ohio Lime Co
OIL DELUXE Williamson Co
OILMASTER Thatcher Furnace Co
OIL-O-MATIC Williams Oil-O-Matic Heating Co
OILSAVER Williamson Co
OIL SPECIAL Williamson Co
OIL SUPER Williamson Co
OILTONE Seidlitz Paint & Varnish Co
O K PRECISION BLOCKS O'Kelly-Eccles
OLD VIRGINIA WHITE Cabot Samuel
OLEAN Gladding McBean & Co
OLSON LINE Olson Mfg Co
OLYMPIA General Metalcraft Inc
OMARK Omark Industries Inc
OMARK-GRAHAM STUD DRIVER Omark Industries Incorporated
OMEGA Tilley John S Ladders Co Inc
ON-GARD Macklanburg-Duncan Co
100 PLUS Stanley Tools
OPEN SESAME Lancaster Pump & Mfg
ORANGE Eagle-Picher Co
ORANGE Virginia Metal Products Inc

(Continued on page 216)

"How NU-HOME ALUMINUM SIDING gave me the 'eye-catcher' I needed to make sales!"

Mr. Herbert Rosner, vice-president in charge of construction, A. Siegler and Sons Builders, Inc., Cleveland.

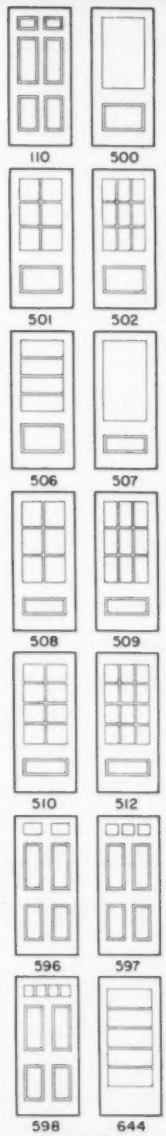
This is the story of how one successful builder uses Hastings NU-HOME Aluminum Siding to build better homes for less money — and sell them faster! Mr. Rosner tells us that NU-HOME is less expensive to apply. There is less waste; work can go on in any weather. Projects look much neater and public acceptance is so good that they quickly sold out their last three projects. And, because they can close sales faster, the company gets its money out that much sooner.

One more important fact: Nu-Home Aluminum Siding is sold to builders only through **building supply firms.** For the complete story, fill out and mail the coupon. No cost, of course, and no obligation.

HASTINGS
ALUMINUM PRODUCTS, INC.
Hastings, Michigan

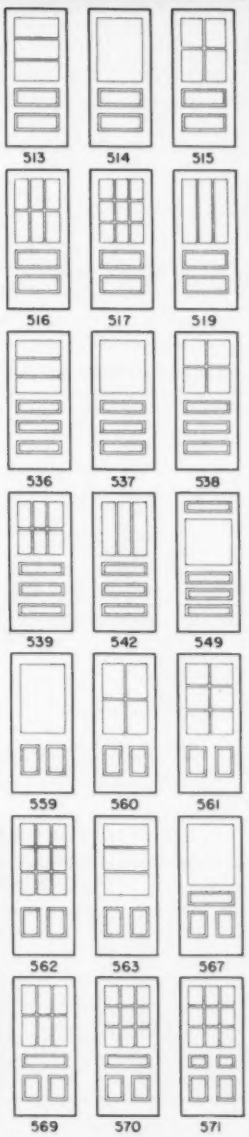
HASTINGS ALUMINUM PRODUCTS, INC.,
Dept. 12 D, Hastings, Mich.
Please rush me additional information on Nu-Home Aluminum Siding.
Name_____
Address_____
City_____ Zone_____
State_____

Exterior Wood Door Standards

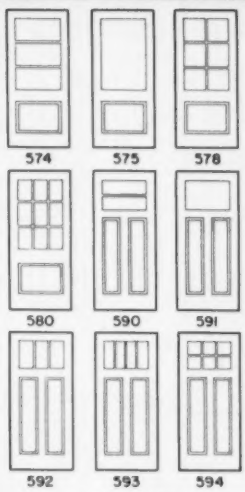


1⅜" and 1¾"
2'-8" and 3'-0" x 6'-8" and 7'-0"

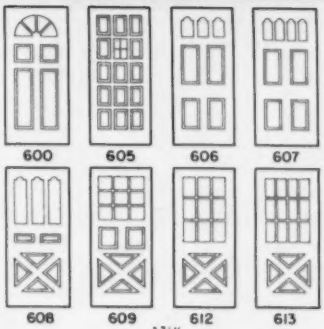
1¾" only
3'-4" x 6'-8" and 7'-0"



1⅜" and 1¾"
2'-6"; 2'-8" and 3'-0" x 6'-6";
6'-8" and 7'-0"



1⅜" and 1¾"
2'-8" and 3'-0" x 6'-8" and 7'-0"



1¾"
2'-8"; 3'-0" and 3'-4" x 6'-8" and 7'-0"

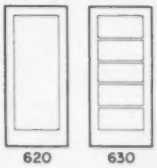
1⅜" and 1¾"
2'-8" and 3'-0" x 6'-8" and 7'-0"

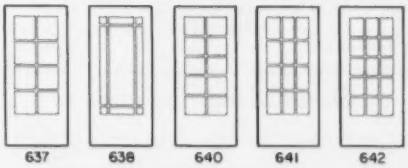
1¾"
3'-0" x 7'-6" and 7'-8"
3'-4" and 3'-6" x 6'-8"; 7'-0"; 7'-6" and 8'-0"

PLAIN, FLUSH and FLUSH "V" GROOVED

1¾" x 3'-0" and 3'-4" x 6'-8" and 7'-0"

If desired, light openings may be cut in these doors to suit wishes of purchaser.



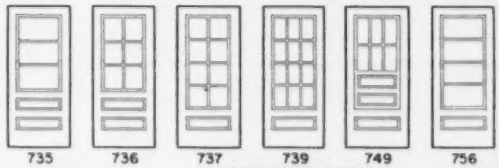


EXTERIOR or INTERIOR RIM, HORIZONTAL LIGHT, FRENCH or CASEMENT DOORS

1⅜" and 1¾"
2'-0"; 2'-4"; 2'-6" x 6'-6"; 6'-8"; 7'-0"
2'-8" and 3'-0" x 6'-8" and 7'-0"

1⅜" and 1¾"
2'-8" and 3'-0" x 6'-8" and 7'-0"

1¾" only
3'-4" x 6'-8" and 7'-0"



COMBINATION DOORS

1⅛"
2'-6" x 6'-7"
2'-6" and 2'-8" x 6'-9" and 7'-1"
2'-10" x 6'-11";
2'-10" and 3'-0" x 6'-9" and 7'-1"

NOMENCLATURE AND DEFINITIONS

The various terms used in this standard are defined below.

Bar —A bar extends the extreme width or length of the glass opening and may be either vertical or horizontal between glass.

Coped construction —The ends of rails, mullions, muntins, or bars so shaped that they will cover and fit the contour of the sticking.

Core —The innermost layer in veneered-door construction.

Crossbanding —The veneer that may be used in the construction of flush doors, which is placed between the core and face veneers with the direction of the grain at right angles to that of the face veneer.

Door, flush —Made up of core, crossbanding, and face veneers, or of core and face veneers only.

Door, panel —Made up of stiles, rails, and one or more panels; the stiles and rails forming the frame around the panel.

Door, sash —Same as panel door, except that one or more panels are replaced by glass.

Kiln-dried —Dried in a closed chamber in which the removal of moisture is controlled by artificial heat and usually by relative humidity.

Mullion —An upright, or vertical, member between panels.

Muntin —Any short bar, either vertical or horizontal, between glass, and not extending the extreme width or length of the glass opening.

Panel, plywood —A panel made up of core and face veneer.

Pitch seam —An opening or imperfection, parallel to the grain, which is filled with pitch.

Rails —The cross, or horizontal, pieces of the framework of a door.

Rail, bottom —The bottom cross, or horizontal, piece of a door.

Rail, lock —The wide cross, or horizontal, rail of a door at lock height.

Rail, top —The top cross, or horizontal piece of a door.

Sticking —A mold which is worked on the edges of stiles, rails, mullions, muntins, or bars, adjacent to panels or glass.

Stiles —The upright, or vertical, outside pieces of a door.

Veneered door —Made up of core and face veneers (may include crossbanding in flush doors).

DOORS & WINDOWS

Interior, Garage, and Sliding Doors

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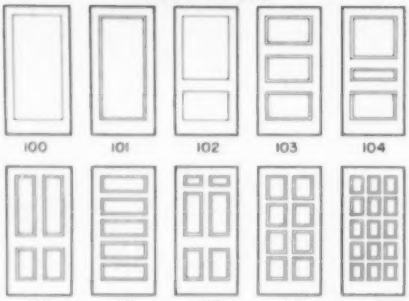
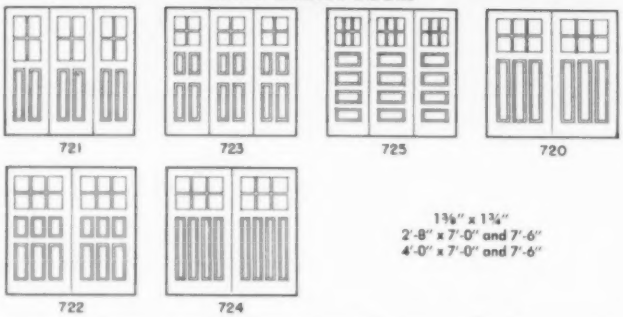
PANEL DOORS



1⅜"
1'-6" x 6'-6" and 6'-8"
2'-0" and 2'-4" x 6'-0"; 6'-6"
6'-8" and 7'-0"

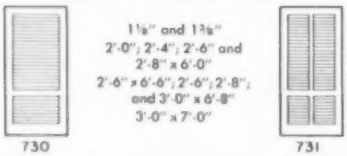
1⅜" and 1¾"
2'-6" and 2'-8" x 6'-0"; 6'-6"
6'-8" and 7'-0"
3'-0" x 6'-8" and 7'-0"

HINGE GARAGE DOORS



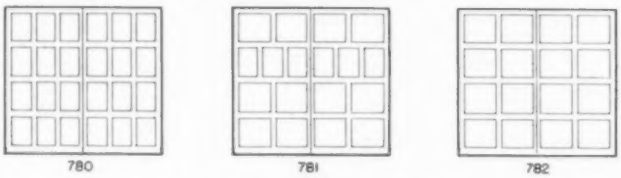
1⅜" x 1¾"
2'-8" x 7'-0" and 7'-6"
4'-0" x 7'-0" and 7'-6"

BLIND OR SUMMER DOORS



1⅛" and 1⅜"
2'-0"; 2'-4"; 2'-6" and
2'-8" x 6'-0"
2'-6" x 6'-6"; 2'-6"; 2'-8";
and 3'-0" x 6'-8"
3'-0" x 7'-0"

SWINGUP GARAGE DOORS

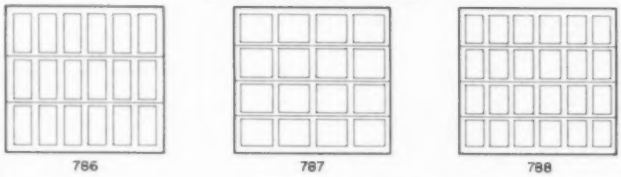


1⅜"
8'-0" x 6'-6" and 7'-0" — 9'-0" x 7'-0"

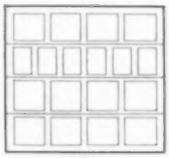
FLUSH DOORS

1¾"
1'-6" x 6'-6" and 6'-8"
2'-0"; 2'-4" 2'-6" and 2'-8"
x 6'-0"; 6'-6"; 6'-8" and 7'-0"
3'-0" and 3'-4" x 6'-8" and 7'-0"

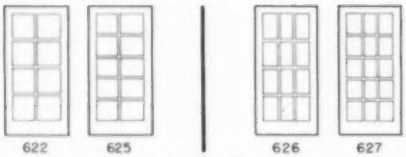
ROLLUP GARAGE DOORS



1⅜" x 8'-0" and 9'-0" x 7'-0"



FRENCH OR CASEMENT DOORS

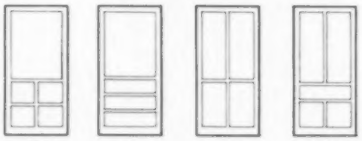


1⅜" and 1¾"

2'-0", 2'-4" and 2'-6"
x 6'-6"; 6'-8" and 7'-0"
2'-8" and 3'-0" x
6'-8" and 7'-0"

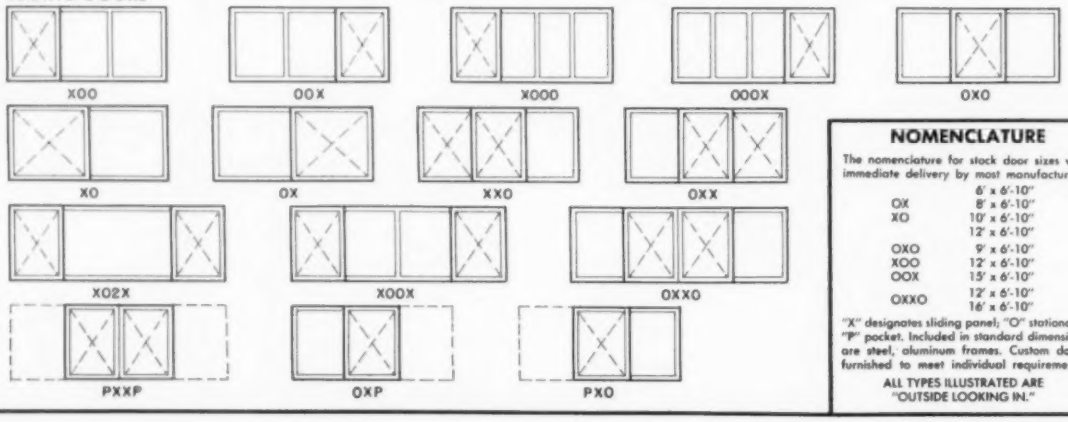
2'-4" and 2'-6" x
6'-6", 6'-8" and 7'-0"
2'-8" and 3'-0" x
6'-8" and 7'-0"

SCREEN DOORS



1⅛"
2'6" x 6'-7", 6'-9", 7'-1"; 2'-8" x 6'-9", 7'-1"
2'-10" x 6'-9", 6'-11", 7'-1"; 3'-0" x 6'-9", 7'-1"

SLIDING DOORS



NOMENCLATURE

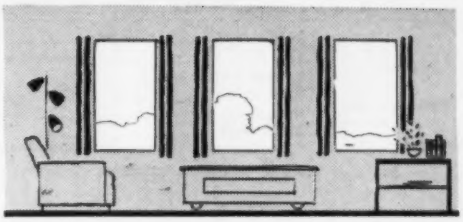
The nomenclature for stock door sizes with immediate delivery by most manufacturers.

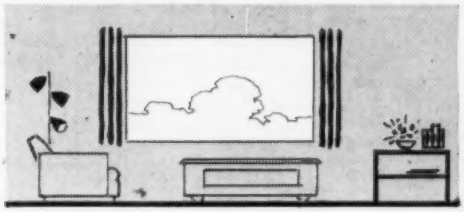
	6' x 6'-10"
OX	8' x 6'-10"
XO	10' x 6'-10"
	12' x 6'-10"
OXO	9' x 6'-10"
XOO	12' x 6'-10"
OOX	15' x 6'-10"
OXXO	12' x 6'-10"
	16' x 6'-10"

"X" designates sliding panel; "O" stationary; "P" pocket. Included in standard dimensions are steel, aluminum frames. Custom doors furnished to meet individual requirements.

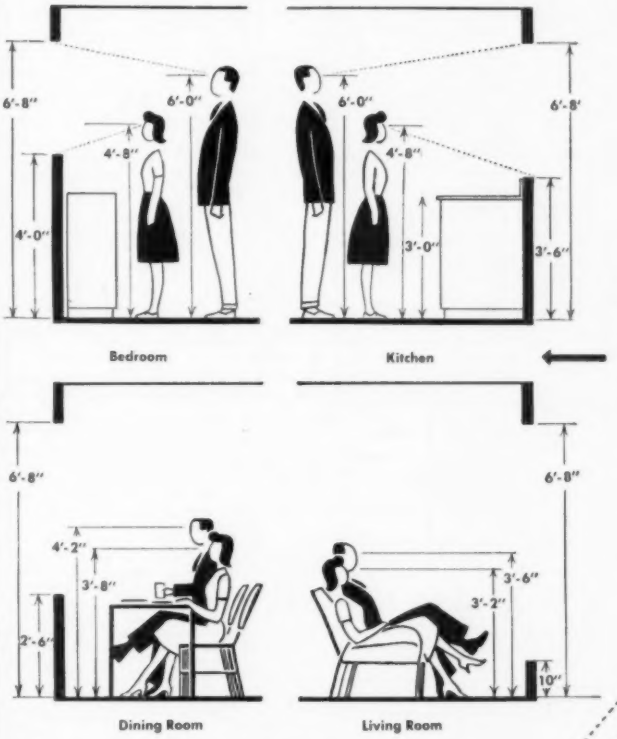
ALL TYPES ILLUSTRATED ARE "OUTSIDE LOOKING IN."

Windows in more than one wall give more effective light distribution throughout the room. Strip or clerestory windows furnish light and ventilation with maximum privacy.



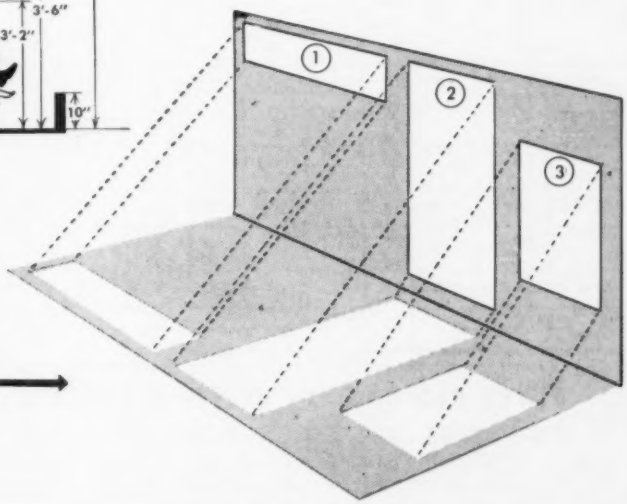


One large opening is more desirable than several small windows. Not only does the former provide a better distribution of light but dark areas between smaller openings are eliminated as well as undesirable contrasts in brightness.



Consideration should be given in the placing of windows so that sills and horizontal muntins or rails do not interfere with vision either seated or standing. The sketches show the eye-level range for persons sitting and standing. Avoid horizontal window divisions within these levels. Dimensions are based on persons from 5'-0" to 6'-4" tall as well as the usual window head and sill heights as determined by furniture.

Courtesy: Small Homes Council, University of Illinois



Window shapes may be selected to give any desired distribution of light within the room. This diagram shows graphically how the sun's rays entering a room at a 45° angle give various patterns of light depending upon the shape of the opening. The closer the head of the window is to the ceiling, the greater the depth of penetration, as shown in openings 1 and 2. Opening 3, placed lower in the wall creates a much shorter light pattern. Strip windows, opening 1 are desirable where it is preferable to have the area beneath in shadow such as a bedroom. This diagram also illustrates why it is desirable to use windows in more than one wall for better distribution of daylight.

DOORS & WINDOWS

Wood Window Standards

CHECK RAIL WINDOWS 1 3/8"— POPULAR SIZES AND DESIGNS

Prefit Face Measurements								
	Stiles 1 29/32"	Stiles 1 29/32"	St. 1 21/32"	St. 1 29/32"
	Top Rail 1 29/32"	Top Rail 1 29/32"	T.R. 1 21/32"	T.R. 1 21/32"
	Bottom Rail 3"	Bottom Rail 3"	B.R. 2 3/4"	B.R. 2 3/4"
	Vertical Bar 3/16"	Vertical Bar 3/16"	V.B. 3/16"	V.B. 3/16"
	Horizontal Bar 7/16"	Muntin 3/16"	Mun. 3/16"	Mun. 3/16"
	Check Rail 1 3/32"	Check Rail 1 3/32"	C.R. 1 3/32"	C.R. 1 3/32"

Windows are made 1/8" narrower and 1/4" shorter than window opening sizes shown below	2 Lt.	Top 3 Lt. W.	Top 4 Lt. W.	4 Lt. H.	Top 6 Lt.	Top 8 Lt.	12 Lt.	16 Lt.
1-8 x 3- 2	16 x 16	...	...	16 x 7 3/4	...	...	...	...
3-10	20	...	...	9 3/4	...	...	...	...
4- 6	24	...	...	11 3/4	...	...	...	...
2-0 x 2-10	20 x 14	6 1/2 x 14	...	20 x 6 3/4	6 1/2 x 7	...	...	...
3- 2	16	16	...	7 3/4	8	...	6 21/32 x 8	...
3- 6	18	18	...	8 3/4	9	...	9	...
3-10	20	20	...	9 3/4	10	...	10	...
4- 2	22	22	...	10 3/4	11	...	11	...
4- 6	24	24	...	11 3/4	12	...	12	...
4-10	26	26	...	12 3/4	13	...	13	...
5- 2	28	28	...	13 3/4	14	...	14	...
2-4 x 2-10	24 x 14	7 27/32 x 14	...	24 x 6 3/4	7 27/32 x 7	...	...	...
3- 2	16	16	...	7 3/4	8	...	8 x 8	...
3- 6	18	18	...	8 3/4	9	...	9	...
3-10	20	20	...	9 3/4	10	...	10	...
4- 2	22	22	...	10 3/4	11	...	11	...
4- 6	24	24	...	11 3/4	12	...	12	...
4-10	26	26	...	12 3/4	13	...	13	...
5- 2	28	28	...	13 3/4	14	...	14	...
2-8 x 2-10	28 x 14	9 5/32 x 14	...	28 x 6 3/4	9 5/32 x 7	...	...	...
3- 2	16	16	...	7 3/4	8	...	...	...
3- 6	18	18	...	8 3/4	9	...	...	...
3-10	20	20	...	9 3/4	10	...	9 11/32 x 10	...
4- 2	22	22	...	10 3/4	11	...	...	...
4- 6	24	24	...	11 3/4	12	...	12	...
4-10	26	26	...	12 3/4	13	...	13	...
5- 2	28	28	...	13 3/4	14	...	14	...
3-0 x 2-10	32 x 14	...	7 13/16 x 14	32 x 6 3/4	...	7 13/16 x 7	...	...
3-10	20	...	20	9 3/4	...	10	...	7 13/16 x 10
4- 6	24	...	24	11 3/4	...	12	...	12
4-10	26	...	26	12 3/4	...	13	...	...
5- 2	28	...	28	13 3/4	...	14	...	14
3-4 x 4- 6	36 x 24	...	8 13/16 x 24	36 x 11 3/4	...	8 13/16 x 12	...	8 13/16 x 12
4-10	26	...	26	12 3/4	...	13	...	13
5- 2	28	...	28	13 3/4	...	14	...	14
3-8 x 4- 6	40 x 24	...	9 13/16 x 24	40 x 11 3/4	...	9 13/16 x 12	...	9 13/16 x 12
5- 2	28	...	28	13 3/4	...	14	...	14

Courtesy National Woodwork Manufacturers Association Inc.

OTHER DESIGNS and SIZES of STOCK WINDOWS and SASH AVAILABLE

No attempt has been made in this catalogue to illustrate or list all of the designs and sizes of Ponderosa Pine Stock Windows and Sash that are available. On this and the following page are shown those that are most popular. For a complete listing of all standard sizes and designs, including one light sash, transoms and porch sash, write The National Woodwork Manufacturers Association.

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POPULAR SIZES AND DESIGNS

CASEMENT SASH 1⅜"

Prefit Face Measurements

Stiles .....1 21/32" Bottom Rail .....3"
Top Rail .....1 29/32" Vertical Bar ..... 3/16"
Muntin.....3/16"

Sash are made ¼" narrower and 1/32" shorter than opening sizes given below.

	1 Lt.	3 Lt. H.	4 Lt. H.	6 Lt. 2 W.	8 Lt. 2 W.
1-3½x3- 2	12x33	12x10 13/16	.....	5 7/16x10 13/16	.....
3-10	41	13 ½	12x10 1/16	13 ½	5 7/16x10 1/16
4- 6	49	.....	12 1/16	.....	12 1/16
1-7½x3- 2	16x33	16x10 13/16	.....	7 7/16x10 13/16	.....
3-10	41	13 ½	16x10 1/16	13 ½	7 7/16x10 1/16
4- 6	49	.....	12 1/16	.....	12 1/16

STORM SASH and SCREENS 1⅛"

Prefit Face Measurements

Storm Sash		Screens	
St.	1 29/32"	St.	1 27/32"
T.R.	1 29/32"	T.R.	1 27/32"
B.R.	4 1/16"	B.R.	3"
C.R.	7/8"	C.R.	5/8"

Storm Sash or Screens

Storm Sash and Screens are available for all Standard Windows. The more popular sizes conform to the window sizes shown on the preceding page.

Storm Sash and Screens are made ⅛" narrower and 1" longer than window opening sizes.

CELLAR SASH 1⅛" and 1⅜"

Prefit Face Measurements	St. 1 27/32" T.R. 1 29/32" B.R. 1 29/32" V.B. 7/16"	Prefit Face Measurements	St. 1 27/32" T.R. 1 29/32" B.R. 1 29/32" V.B. 3/16"	Prefit Face Measurements	St. 1 29/32" T.R. 1 29/32" B.R. 1 29/32" V.B. 3/16"
Sash are made ¼" narrower and ¼" shorter than opening sizes given below	2 Lt.	Sash are made ¼" narrower and ⅛" shorter than opening sizes given below	3 Lt.	Sash are made ¼" narrower and ⅛" shorter than opening sizes given below	4 Lt.
2-0x1-4	10x12	2-4x1-4	8 x12	3-8x1-4	9 13/16x12
2-4x1-4	12x12	2-8x1-0	9 11/32x 8	1-8	16
1-8	16	1-4	12	4-4x1-4	11 13/16x12
2-0	20	1-8	16	1-8	16
.....	.....	3-0x1-4	10 27/32x12	.....	.....
.....	.....	1-8	16	.....	.....
.....	.....	3-4x1-8	12 x16	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....

PLAIN RAIL WINDOWS 1⅛"

Prefit Face Measurements	St. 1 27/32" T.R. 2 3/16" B.R. 2 3/16" M.R. 1 3/32" V.B. 13/16" Mun. 3/16"	Prefit Face Measurements	St. 1 27/32" T.R. 2 3/16" B.R. 2 3/16" M.R. 1 3/32" V.B. 3/16" Mun. 3/16"
Windows are mde ⅛" narrower and 1/16" shorter than opening sizes shown below	8 Lt.	Windows are mde ⅛" narrower and 1/16" shorter than opening sizes shown below	12 Lt.
1-8½x3-10	8x10	2-4x3-10	8x10
2-0½x4- 6	10x12	4- 6	12
2-4½x5- 2	12x14	2-7x4- 6	9x12
.....	.....	.....	.....
.....	.....	2-10x4-6	10x12
.....	.....	3- 4x5-2	12x14

BARN or UTILITY SASH 1⅛" and 1⅜"

Prefit Face Measurements—Stiles .....1 27/32" Top Rail .....1 27/32" Bottom Rail .....3" *Vertical Bar.....3/16" or 7/16" Muntin .....3/16"

Sash are made ¼" narrower and 1/32" shorter than opening sizes given below	4 Lt.	Sash are made ¼" narrower and 1/32" shorter than opening sizes given below	6 Lt. 2 W.	Sash are made ¼" narrower and 1/32" shorter than opening sizes given below	6 Lt. 3 W.	Sash are made ¼" narrower and 1/32" shorter than opening sizes given below	9 Lt. 3 W.	Sash are made ¼" narrower and 1/32" shorter than opening sizes given below	12 Lt. 3 W.
1-8x2-1	8x10	1-8x2-11¼	8x10	2-1x1-11	7x 9	2-0x2- 8¼	6 27/32x 9	2-4x3-9½	8 x10
2-5	12	2-0x3- 5¼	10x12	2-4x2- 1	8x10	2-4x2-11¼	8 x10	2-8x4-5½	9 11/32x12
2-0x2-1	10x10	.....	.....	2- 5	12	3- 5¼	12	3-0x4-5½	10 27/32x12
2-5	12	.....	.....	2-7x2- 5	9x12	2-8x3- 5¼	9 11/32x12	.....	.....
2-9	14	.....	.....	2- 9	14	.....	.....	.....	.....
3-1	16	.....	.....	2-10x2- 5	10x12	.....	.....	.....	.....
2-4x2-5	12x12	.....	.....	3-4x2- 5	12x12	.....	*Vertical bar 7/16" for Sash 2 lights wide; 3/16" for Sash 3 lights wide.	.....	.....
2-9	14	.....	.....	.....	.....	.....		.....	.....
3-1	16	.....	.....	.....	.....	.....		.....	.....

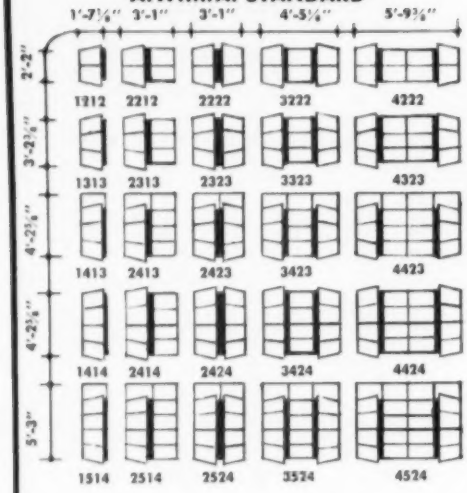
Courtesy National Wood Work Manufacturers Association

10

DOORS & WINDOWS

Aluminum Window Standards (Residential)

A.W.M.A. STANDARD



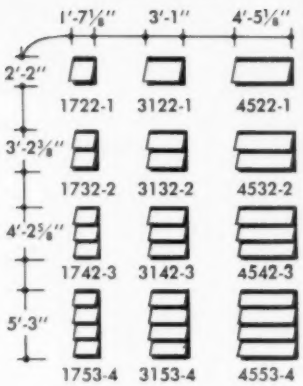
C-A1 CASEMENT WINDOWS for residential-type buildings.

Units with single ventilator may be hinged either right or left.

Fixed types furnished for all sizes shown.

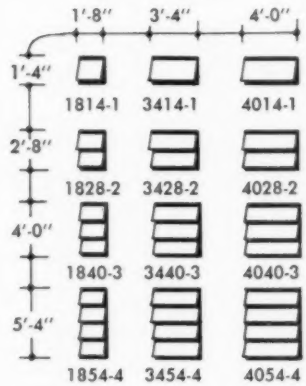
A-A1 AWNING WINDOWS for residential-type buildings.

STANDARD SIZES



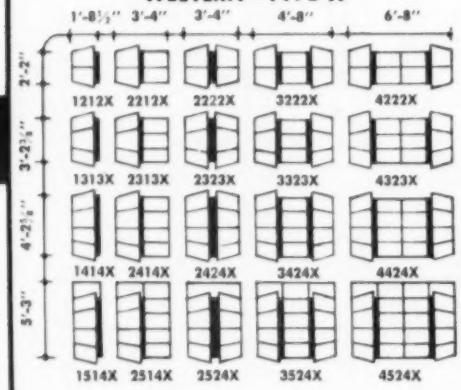
window dimensions

MODULAR SIZES



grid dimensions

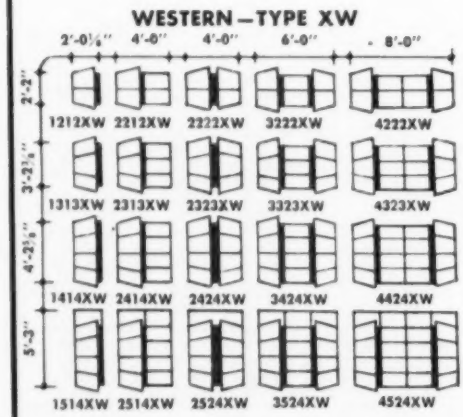
WESTERN—TYPE X



PICTURE OF PANORAMA WINDOWS

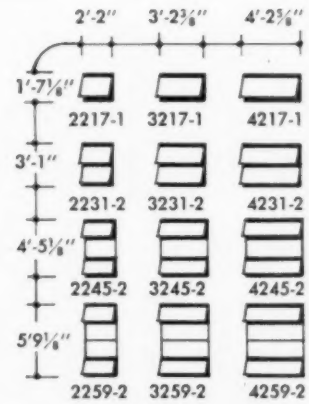
Most manufacturers of aluminum double-hung, casement, projected and awning windows offer picture or panorama windows in heights and widths that complement their standard sizes. These windows accommodate either ¼" plate glass or 1" double glass of the "Thermopane" or "Twindow" type. See manufacturers' catalogs for available sizes.

WESTERN—TYPE XW



Dimensions shown are window dimensions.

P-A1 PROJECTED WINDOWS for residential-type buildings



Dimensions shown are window dimensions

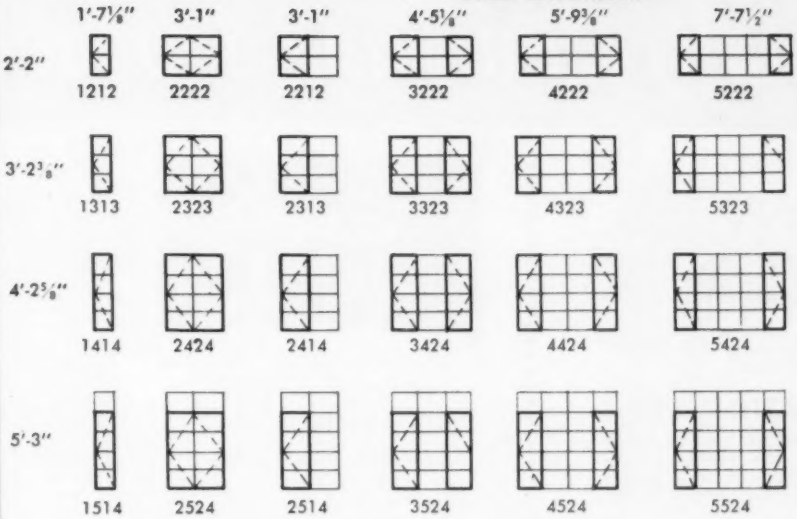
Courtesy Aluminum Window Manufacturers of America

10

DOORS & WINDOWS

Steel Window Standards (Residential)

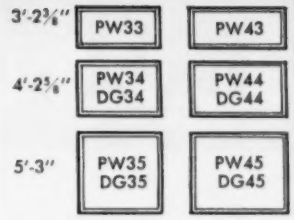
STEEL CASEMENTS



Bullseye: 2'2" Dia.

3311

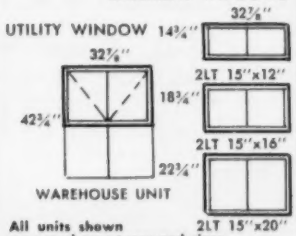
Dimensions shown are over-all out-to-out measurements. Units with single ventilator may swing from right or left jamb. All units are warehouse types and sizes. Fixed types furnished for all above sizes.



"PW"—Picture windows—for single pane glazing — standard frame member construction.

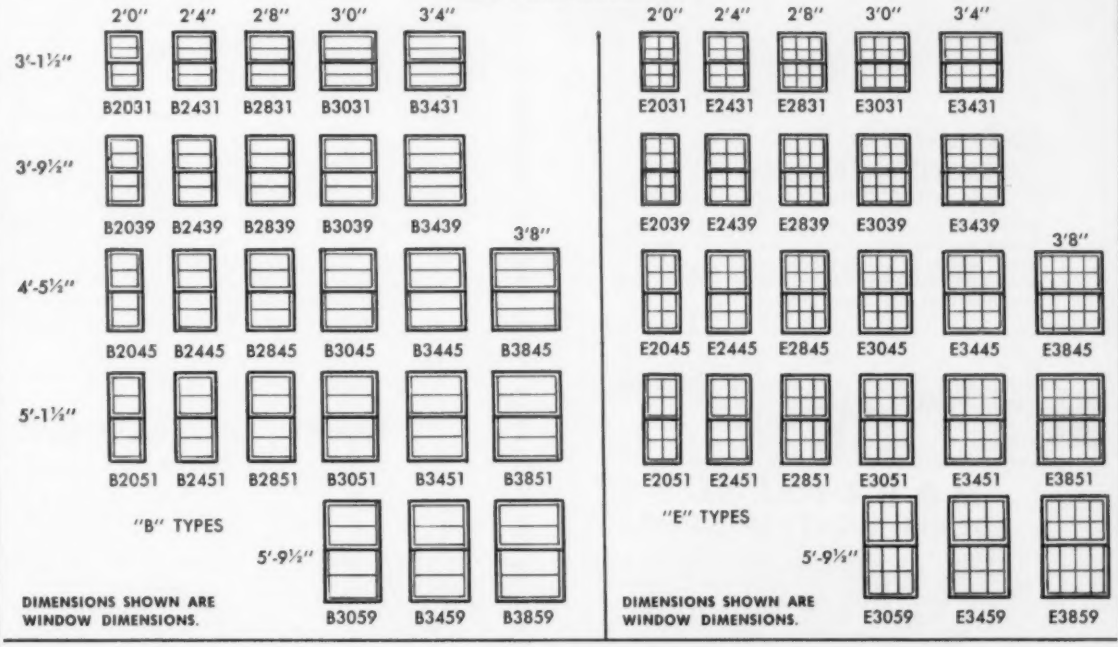
"DG" — Double glazing — for 1" thick, double insulating glass, stock sizes — special section frame construction.

BASEMENT WINDOWS



All units shown are warehouse types and sizes.

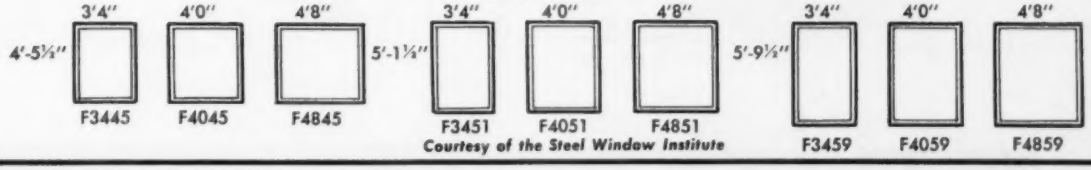
DOUBLE-HUNG WINDOWS



DIMENSIONS SHOWN ARE WINDOW DIMENSIONS.

DIMENSIONS SHOWN ARE WINDOW DIMENSIONS.

FIXED PANELS



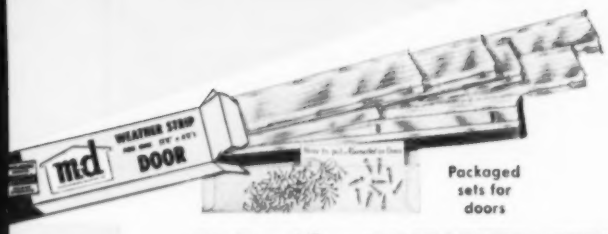
Courtesy of the Steel Window Institute

10

MACKLANBURG-DUNCAN CO.

For more SEE-able features...

Quality Building Products



Packaged sets for doors

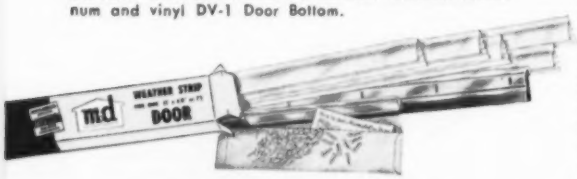
M-D *Numetal* WEATHER STRIP

Packaged sets for doors. In stainless steel or bronze. Complete packaged units mean easier handling for you . . . easier installation for customers. M-D Numetal door sets available with regular door bottoms or with any M-D threshold.

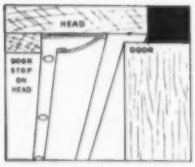
M-D *Jamb-Up* DOOR WEATHER STRIP

Extruded Aluminum & Durable Vinyl

Perfect for wood or metal doors. Made of sturdy, extruded aluminum and tough, durable vinyl. Comes completely packaged with necessary strip, nails, screws and instructions. Available with or without extruded aluminum and vinyl DV-1 Door Bottom.



M-D H-4 FOLD-BACK DOOR WEATHER STRIP



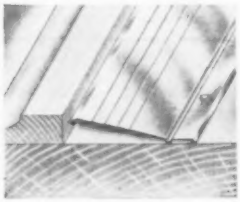
Automatically spaces itself when properly placed against door stop. A smoothly-operating, economical packaged set for all standard doors. Aluminum or bronze—with any door bottom or threshold desired. Nails, screws and instructions furnished in each set.

Up automatically to clear carpet easily when door opens.

M-D *Nu*-GARD AUTOMATIC DOOR BOTTOMS

For ALL doors. With silvery-satin or Albras finish—will not rust or tarnish. Furnished in standard lengths —28", 32", 36", 42" and 48".

Down snugly against floor to seal out drafts when door closes.



M-D On-GARD COIL WEATHER STRIP

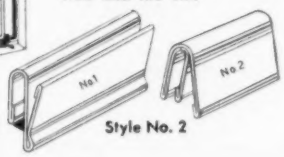
All-metal weather strip in handy rolls. 8 widths in either stainless steel or bronze. Features built-in tension, embossed nail zone and hum-proof edge!

M-D *Nu-WAY* WEATHER STRIP

The "original" coil metal and wool felt weather strip. Fast-selling because it's so easy to put on. Each individual package contains one 18 ft. roll with nails and instructions. Packed 12 cartons in free display.

M-D CASEMENT WINDOW WEATHER STRIP

Easy to install on steel or aluminum casements. Slips over window flange. Style No. 1 is used on head and lock side or swinging edge of metal casement windows. Style No. 2 is used on hinge side and the sill.



Style No. 1 Style No. 2

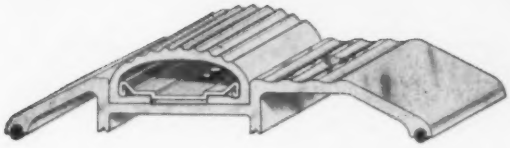
MACKLANBURG DUNCAN CO.

BUILDERS Sold by Leading Hardware, Lumber and Building Supply Dealers.

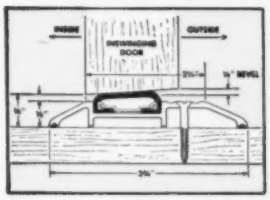
DEALERS ORDER TODAY your order will receive prompt shipment.

For more SELL-able features...

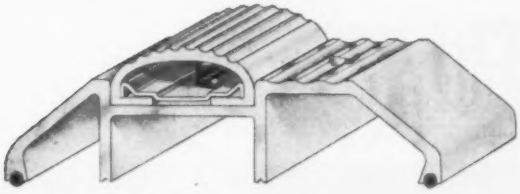
for Doors and Windows



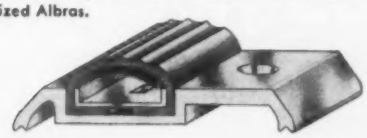
M-D EXTRUDED THRESHOLDS



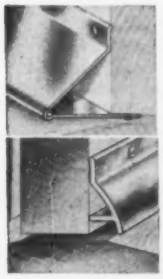
AP-3 3/4 —America's most popular threshold with replaceable vinyl insert. Note vinyl calking strips under each leg, which may be removed if the use of Nu-Calk Calking Compound is preferred. Available in Alacrome or Anodized Albras.



AP-118—(above) Designed especially for thick pile rugs. Has vinyl calking under legs, as well as replaceable vinyl insert. Available in Alacrome or Anodized Albras.



AP-158—Threshold of sturdy, extruded aluminum with replaceable vinyl insert. Can be used on bottom of door or on top of wood threshold. Available in Alacrome or Anodized Albras.



M-D DRIP CAPS

Prevents rain from draining or blowing under door or wood casement windows.

A Available in DCA Aluminum or DCA Albras. Holes punched, nails furnished—comes in any length.

B New, heavy duty extruded aluminum drip cap. Packed in individual poly tube. Available in natural Alacrome and in 3 permanent Anodized finishes. Standard lengths 32", 36", 42" and 48".

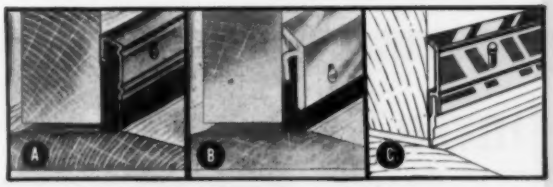
M-D CALKING COMPOUND

Nu-Calk Speed Loads

World's finest calking compound available in loads, with or without nozzle . . . hand squeeze tubes . . . or ½ pt., pt., qt., and gal. cans. Also 5-gal. and 55-gal. drums, gun or knife grade.

M-D *Nu*-Glaze GLAZING COMPOUND

Always sets to rubber-like consistency. Clean, easy to handle. Use and recommend with complete confidence that it always "stays put." Packed in ½ pt., pt., and qt. cans, 25 lb., 50 lb., 100 lb. and 880 lb. drums.



M-D DOOR BOTTOMS

A M-D Numetal Door Bottom made of extra thick wool felt and heavy gauge stainless steel, brass or aluminum. Standard lengths—28", 30", 32", 36", 42" and 48".

B M-D heavy duty extruded aluminum and felt door bottom in Alacrome or Anodized satin, bright or brass colors, in all standard lengths.

C M-D extruded aluminum and vinyl door bottom—in natural Alacrome or Anodized Albras finish—in all standard lengths.

MACKLANBURG-DUNCAN CO.

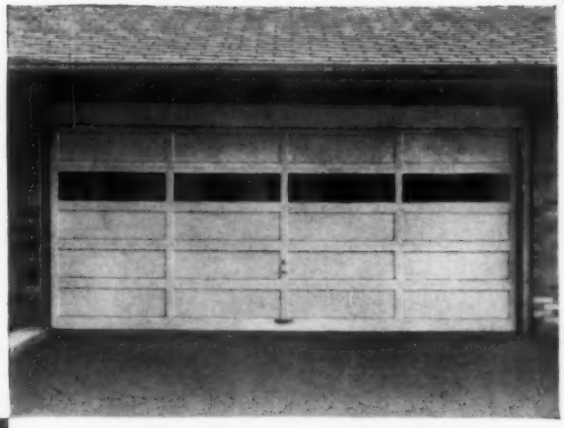
Manufacturers of Quality Building Products • Box 1197 • Oklahoma City 1, Okla.

Choose

THE FINEST OF

FRANTZ

GARAGE DOORS



THE 200 SERIES

Truly deluxe in every sense of the word, the beauty and styling of the 200 Series are matched only by its quality materials and its many features. *Just turn the latch and a 200 door glides up as if by magic, with no rebound.* On closing, a crisp click signals automatic latching on both sides. Such easy operation—plus fast installation—makes the 200 Series preferred by those who want a door that has *everything!* Choose from 21 different sizes and styles. No door can give you more!

NO OTHER DOOR HAS ALL THESE FEATURES

Exclusive double brakes, adjustable and self equalizing . . . Exclusive two-way adjustable springs for perfect adjustment . . . Chrome handle and brass cylinder lock . . . Glide-O-Matic self-opening . . . tapered track . . . inside lock . . . zinc plated hardware . . . 14 big features in all.

FRANTZ . . . The Lumber Dealer's Door

FRANTZ MANUFACTURING COMPANY
Sterling, Illinois

WINTER-SEAL makes good "House Sense"

FINEST QUALITY ALUMINUM WINDOWS, DOORS, JALOUSIES, SIDING, AWNING WINDOWS

Winter-Seal quality costs no more. Your customers enjoy the ultimate in value, comfort and beauty . . . you enjoy biggest profits.

Whatever your needs . . . Aluminum combination windows and doors, jalousies, prime windows, sliding glass doors, awning windows, siding . . . Rogers Industries delivers the *complete Winter-Seal line,* backed by the famous Good Housekeeping guarantee.

Enjoy the savings and convenience of buying *all* your aluminum products from your Rogers—Winter-Seal quality supplier. It makes good "House Sense."

WINTER-SEAL DIVISION

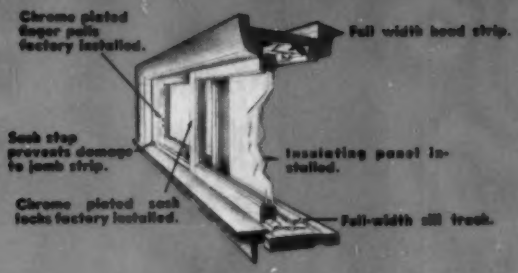
ROGERS INDUSTRIES
INCORPORATED

Detroit 27, Michigan

REPLACEMENT OR REFUND OF MONEY
Guaranteed by Good Housekeeping
IF NOT AS ADVERTISED THEREIN

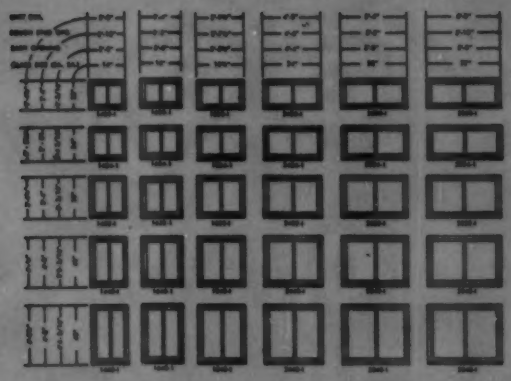
RIMCO® WOOD WINDOW UNITS . . .

A Complete TOP QUALITY LINE TO ENHANCE ANY HOME



Both sash slip in and out with minimum effort. Easy to paint. Easy to store during plastering, less chance for breakage during "trim-out."

SELECT FROM A WIDE RANGE OF SIZES . . . use as singles, ribbons or corners.



RIMCO "SLIDE"

A truly advanced concept of a modern window style, the Rimco Slide gives you real fenestration versatility. *And*, for all its luxury features, it's economical from every angle . . . purchase price, installation time and painting ease with virtually no call-backs.

CHECK THESE FEATURES —

Yes, check these features against window units selling for much more and you'll see why more and more builders and architects are making the change to Rimco Slide —

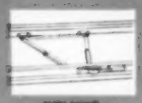
- ★ **Easy removal through "just right" pressure on aluminum head track.**
- ★ **Anodized aluminum sill track for smooth, quiet operation. Nothing to stick or bind.**
- ★ **All wood parts are protected with deep penetrating Woodlife preservative applied by the Dri-Vac *Controlled* process.**
- ★ **Plastic sash-stop prevents pinched fingers and damage to weatherstripping.**
- ★ **Factory applied chrome plated finger pulls and sash lock.**
- ★ **Anodized aluminum weatherstripping**
- ★ **Wood bead glazed with glass bedded.**
- ★ **Insulating panels factory installed.**
- ★ **Prefit screen, wired aluminum, complete with hardware.**

RIMCO® "SLIDE" WOOD WINDOW UNITS

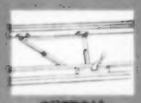
RIMCO®

"VENT" WOOD WINDOW UNITS

STANDARD PUSH BAR



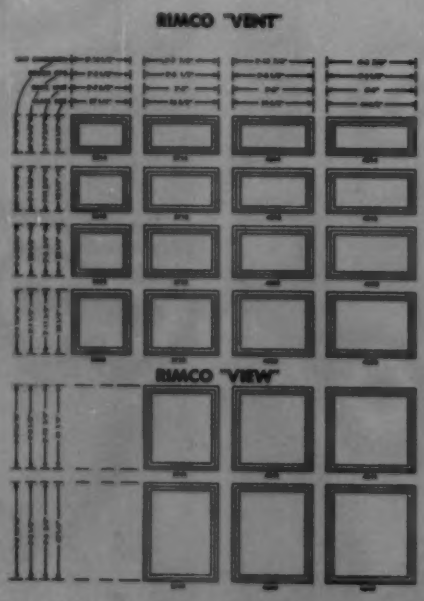
DELUXE LEVER-LOCK

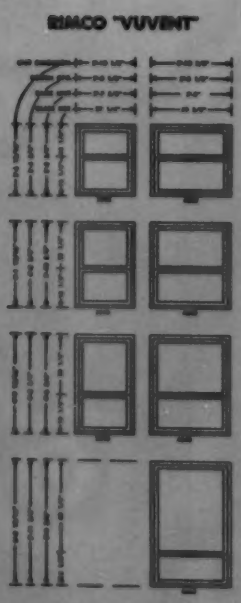


CUSTOM ROTARY GEAR

Three underscreen operators are available to meet every requirement. All are tops in their class.

Rimco "Vent" and "View" Units in Combination



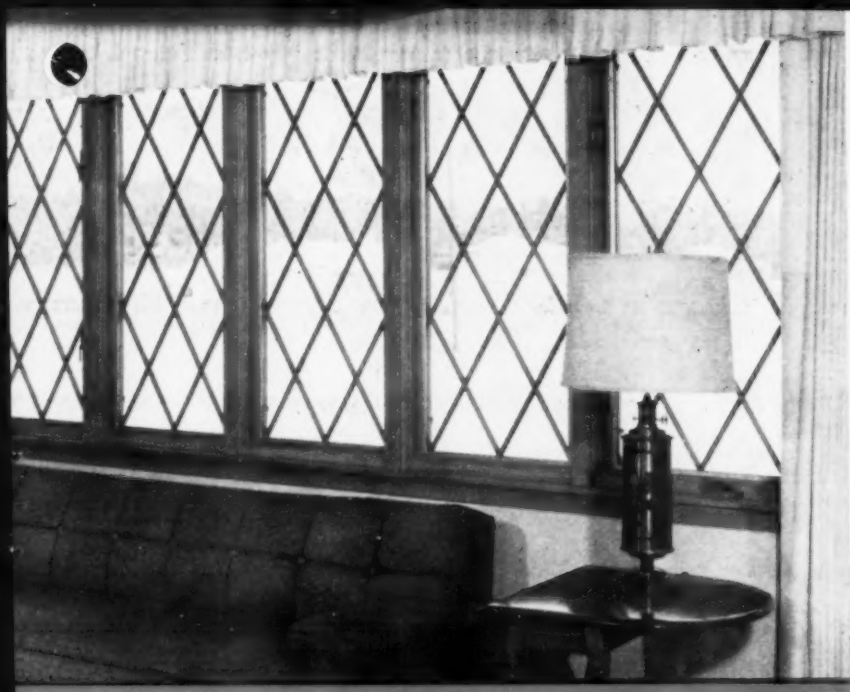


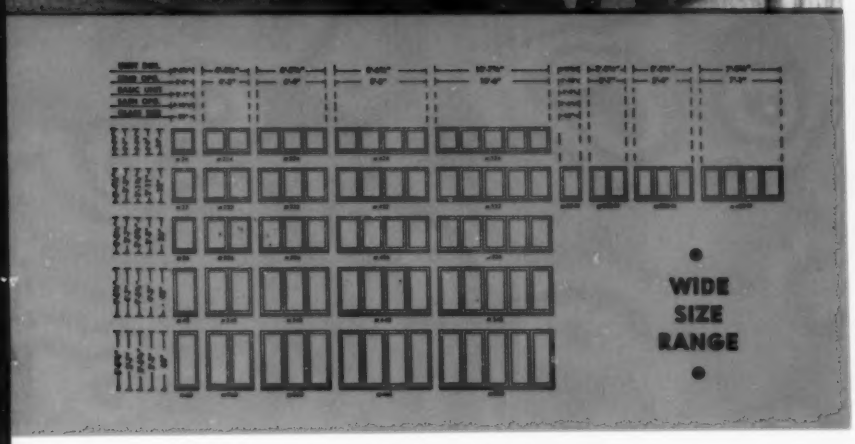
RIMCO "VENT"

Here's a Rimco Wood Window Unit that is popular for both residential and commercial building. Its weathertight construction has made it the first choice of many builders and architects. Hundreds of uses: singles, ribbons, stacks, corners, casement and picture groupings (as shown above).

Of particular interest is the new Rimco "VUVENT" Unit — combining all of the features of the "VENT" and "VIEW" in one full-jamb unit with new narrow meeting rails.

Many built-in benefits: The warmth and beauty of Selected Ponderosa Pine . . . Woodlife DRI-VAC treated . . . Anodized aluminum weatherstripping . . . Choice of three underscreen operators . . . Choice of regular or insulating glass . . . Gold-toned aluminum screens . . . and many, many more.





HUNDREDS OF COMBINATIONS
And they make beautiful arrangements
with their companion Picture Sash Unit.

RIMCO "CASEMENT"

Compare these features to any casement on the market and you'll agree that with Rimco you get more merchandizable window for the money.

- ★ **Selected Ponderosa Pine**
- ★ **Protected with deep-penetrating Woodlife preservative applied by the Dri-Vac *controlled* process**
- ★ **Anodized aluminum and *stainless steel* weatherstripping**
- ★ **Over 90° swing-out for ease of cleaning**
- ★ **Deluxe rotary operator for positive operation with no "wind-rattle"**
- ★ **Available with regular glazing & Insulating Panel or ½" insulating glass.**
- ★ ***Concealed* sliding hinge**
- ★ **Continuous sub-sill on multiple units, for fast, foolproof installation**
- ★ **Side jamb lugs provide extra bearing support**

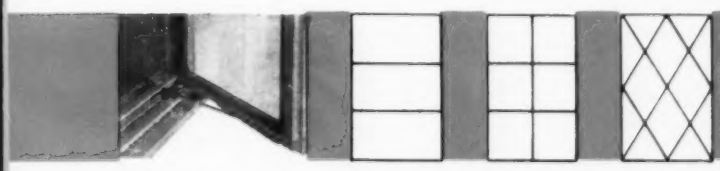
RIMCO®

"CASEMENT" WOOD WINDOW UNITS

Deluxe in every respect, the Rimco Casement Window Unit has been engineered for extra features right down to the last detail.

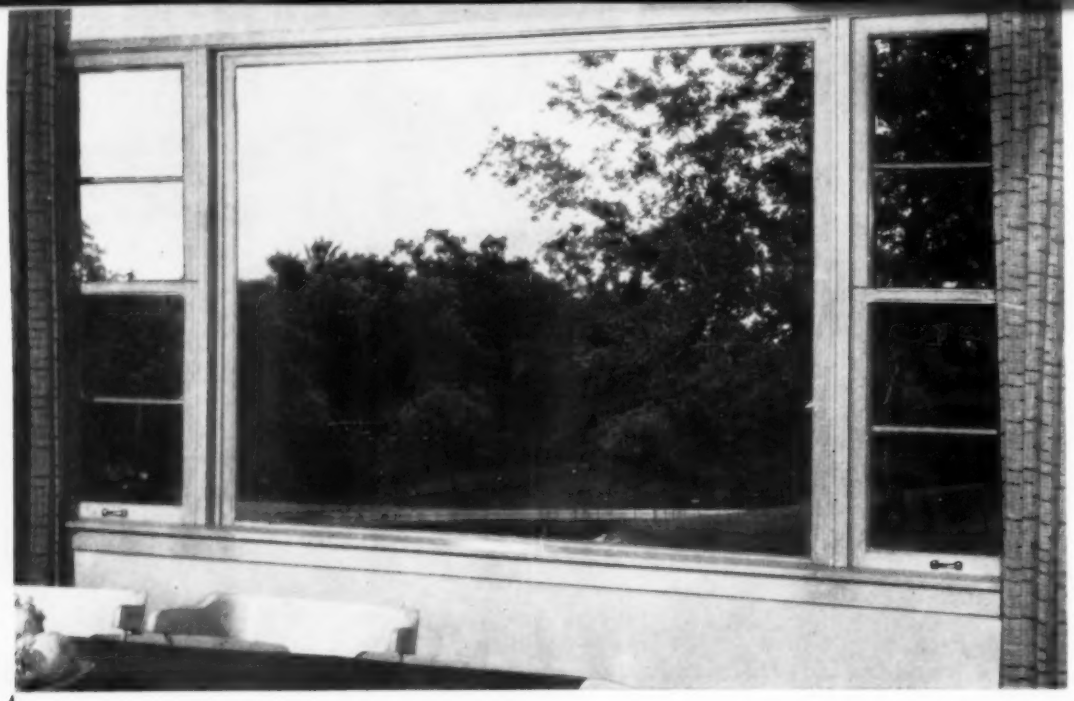
Monobuilt construction assures fast installation with sag-free operation.

Rimco's new concealed sliding hinge gives a clean outside appearance . . . no exposed hardware . . . you see only the beauty of the window itself.



Removable grille inserts customize every house. Available in three patterns . . . horizontal, rectangular and diamond light.

Long, sturdy operator-arm and concealed sliding hinge (nylon traveling over stainless steel track) provide over 90° sash opening for ease of cleaning and catching a breeze from either direction.

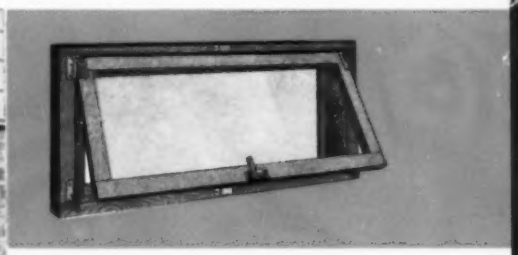


RIMCO "SIX-TEN"

Now . . . from Rimco . . . a removable double-hung Wood Window Unit designed for standard frame openings . . . the Rimco Six-Ten. Choice of the Six-Ten gives you features like: Construction of selected Ponderosa Pine, protected with deep-penetrating Woodlife preservative applied by the Dri-Vac *controlled* process; both sash removable; anodized aluminum weatherstripping, factory applied; available in a wide variety of sizes and light designs to compliment any architectural style.

RIMCO "BAY" WOOD PICTURE WINDOW UNIT

New from Rimco! Feature beautiful bay windows in your homes without the cost of making up on the job. Selected W.P.P. . . . ½" insulating glass . . available in 4, 5, 6, sash wide each sash one light or 4 horizontal lights. A touch of elegance at reasonable cost.



RIMCO "BASEMENT" WOOD WINDOW UNIT

Packed with features, the Rimco "Basement" Wood Window Unit rounds out the line of quality products. Weatherstripping completely factory installed; reversible hinges permit sash to be hinged from top or bottom; fits standard block openings; removable sash; insulating panel plus an optional screen-frame mounted panel affords triple glazing. Like all Rimco Wood Window Units, the Rimco "Basement" Unit is protected with deep-penetrating Woodlife preservative applied by the Dri-Vac *controlled* process.

RIMCO® "SIX-TEN"—"BAY"—"BASEMENT" WOOD WINDOW UNITS

HELPING BUILD AMERICA FOR OVER 90 YEARS

RIMCO®

ROCK ISLAND MILLWORK COMPANY
FACTORY DIVISION
Rock Island, Illinois

8:00 a.m.

...NO PORCH IN SIGHT!

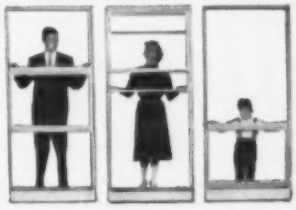
5:00 p.m.

...COZY AND TIGHT!

The unique modular construction of DeVAC GlassWalls permits rapid installation, with resulting savings in labor costs. Two workmen can enclose a porch or breezeway in DeVAC GlassWalls in one working day. Result—the final cost of building a GlassWalls room is less per square foot than the cost of building any other room.

DeVAC GlassWalls, the fastest, most economical way to build "that extra room" . . . whether you convert a porch or breezeway or start from the ground up.

DeVAC GlassWalls are full-length window units with wood surround and a hollow base that can conceal wiring and ductwork. GlassWalls are their own upright supports, and require only trim as a facing. Full-length Fiberglas screens are included. Storm sash is optional. With DeVAC's exclusive three-way directional control of ventilation, (shown at right), GlassWalls give home-owners "control" of the weather—summer or winter. Get the full story of DeVAC GlassWalls from Sweets Catalog, or from any qualified DeVAC representative.



DeVAC, inc.
5900 Wayzata Blvd., Minneapolis 16, Minn.

PROFIT by the demand for Family Rooms!

DeVAC, Inc., Dept. AB-4
5900 Wayzata Blvd. • Minneapolis 16, Minn.

Please send me complete information on DeVAC GlassWalls.

SEE OUR CATALOG IN SWEET'S

NAME _____

ADDRESS _____

CITY _____ ZONE ____ STATE _____

3 GREAT SALES-WINNING

BEAUTIFUL BIRCH

BIRCH Qualitybilt CABINETS ®

KITCHEN CABINETS

SLIM...TRIM...

Qualitybilt WOODWORK ®

CASEMENTS

VERSATILE, NEW

4-WAY Qualitybilt WINDOWS ®

4-WAY WINDOWS

ASK FOR FULL DETAILS ON THESE PRODUCTS TODAY!

FARLEY & LOETSCHER MFG. CO.

DUBUQUE, IOWA

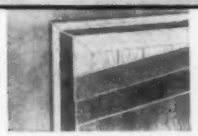
QUALITYBILT LINES...

OVER 120 DESIGNS AND SIZES

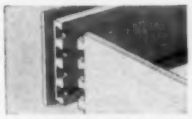
Over 120 standard Qualitybilt units permit complete flexibility in design and layout to "custom-style" kitchens without extra cost. Cabinetmaker quality throughout . . . full 1" thick, 7-ply, warp-resistant doors, dovetailed drawers, mortise-tenon joints on front frames, distinctive hinges and pulls in a choice of four finishes. Available Semi-Assembled (KD); Set-Up Unfinished; or Set-Up Finished natural or enameled.

SUPER SATIN SURFACE* — This excitingly new densified and glossified surface is supplied on all flat exposed surfaces . . . can be finished "as is," stained, or painted. Saves up to 75% on finishing costs.

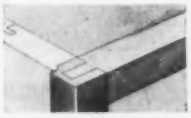
* Trademarks "Super Satin Surface" and "SSS" (or "Triple S") — Use licensed on products having a Supersealed or Super Microsealed surface that satisfies the quality standards of the trademark owner.


FULL 1" DOORS

GRACEFUL PULLS


DOVETAILED DRAWERS

OFFSET HINGES

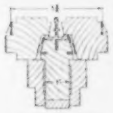

MORTISE-TENON JOINTS

POSITIVE CATCHES

MODERN NARROW LINES... QUALITY HARDWARE

The *finest* and most complete casement line available. Two widths of sash in five heights available with one light, divided lights, insulating glass, or window glass with R.D.G. Precision hardware includes offset hinges for easy cleaning from inside, pick-up action locks, powerful operator. Complete units include frame, glazed sash, inside stops, mullion casings, weather strip, hardware and screens. Frames and glazed sash accurately prefit to size, toxic treated, weather strip applied.

REMOVABLE INSERTS — New Qualitybilt snap-out inserts provide divided light effects with standard one light units . . . make cleaning and painting a snap.


REINFORCED MULLIONS

INSIDE CLEANING

REMOVABLE GLAZING PANEL

POWERFUL OPERATOR

EXTENSION HINGES

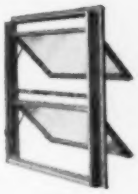
SNAP-OUT INSERTS

PICK-UP ACTION LOCKS

HUNDREDS OF COMBINATIONS WITH TWO STYLES

This amazing window line provides hundreds of imaginative window combinations with only two types of units . . . TWO-SASH and SINGLE SASH. Use them as Awning, Hopper, Outswinging Casements, or FIXED UNITS . . . singly or in ribbons, stacks, or with picture units. Select from roto, lever, bar, or manual operation, single glazing with removable double glazing panels, or insulating glass. Fully weatherstripped and toxic-treated with water-repellent preservative.

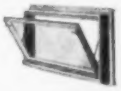
Complete catalogs in Sweets 1960 Architectural and Light Construction Files.


AWNING

PICTURE SASH OVER AWNING

TWO-SASH SERIES

SINGLE SASH SERIES


HOPPER

AWNING

CASEMENT

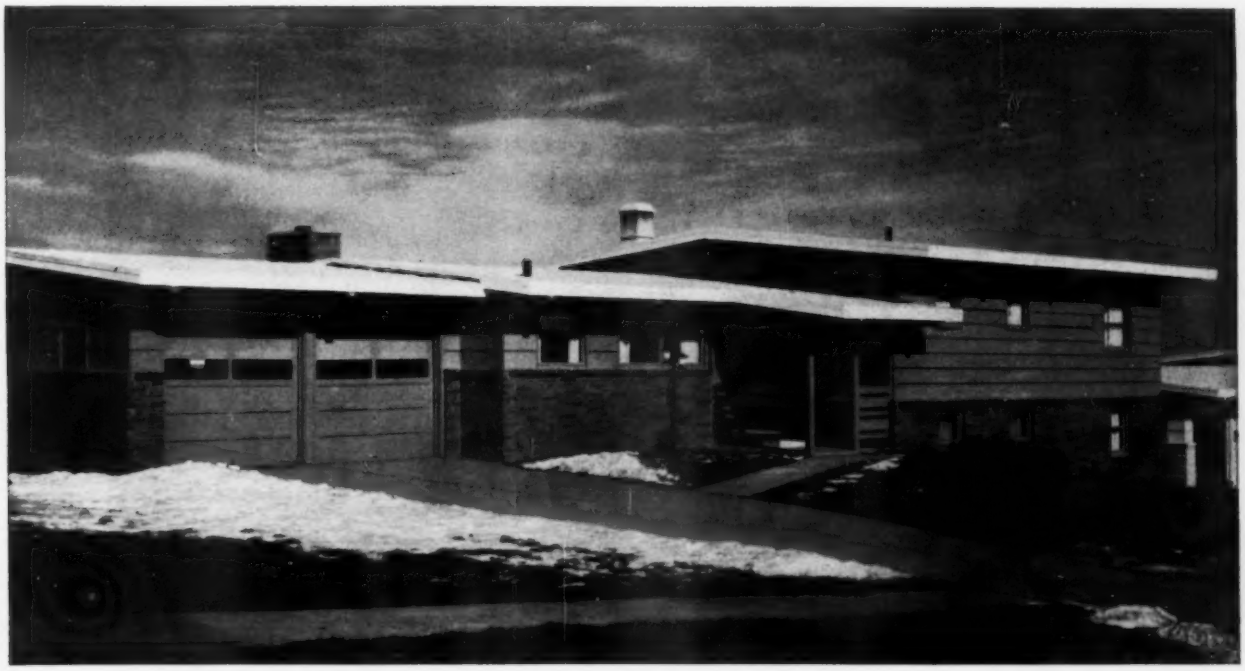
Entrances • Doors • Frames • Sash • Blinds • Casements • Screens
Glider Windows • Sliding Doors • Combination Doors • Storm Sash • Louvers
Garage Doors • Mouldings • Interior Trim • Sash Units • Kitchen Cabinet Units
Cabinet Work • Stairwork • Disappearing Stairs • "Farlite" Laminated Plastics

SELECT FROM A COMPLETE LINE OF QUALITYBILT MILLWORK ITEMS!

Naturally, the Strauss twins specify Twindow®.

The Strauss brothers specify TWINDOW in *all* their homes. They build around 600 units a year in Lincoln, Nebraska. In their sales pitch, the Strausses point up the fact that TWINDOW keeps a home warmer in the winter, cooler in the summer—saves on heating and cooling bills all year 'round. And there are no storm windows to put up, take down and store away. TWINDOW is a permanent storm window. The Strausses find that many of their buyers are on second and third homes. Having had TWINDOW in a previous home, they insist on TWINDOW in the next. This gives Strauss homes a definite sales edge over homes without TWINDOW. TWINDOW-Glass Edge and TWINDOW-Metal Edge come in all popular sizes for a wide variety of window styles. Write for our TWINDOW Booklet. Pittsburgh Plate Glass Company, Room 0117, 632 Fort Duquesne Boulevard, Pittsburgh 22, Pennsylvania.

... the windowpane with insulation built in



TWINDOW®

Pittsburgh Plate Glass Company

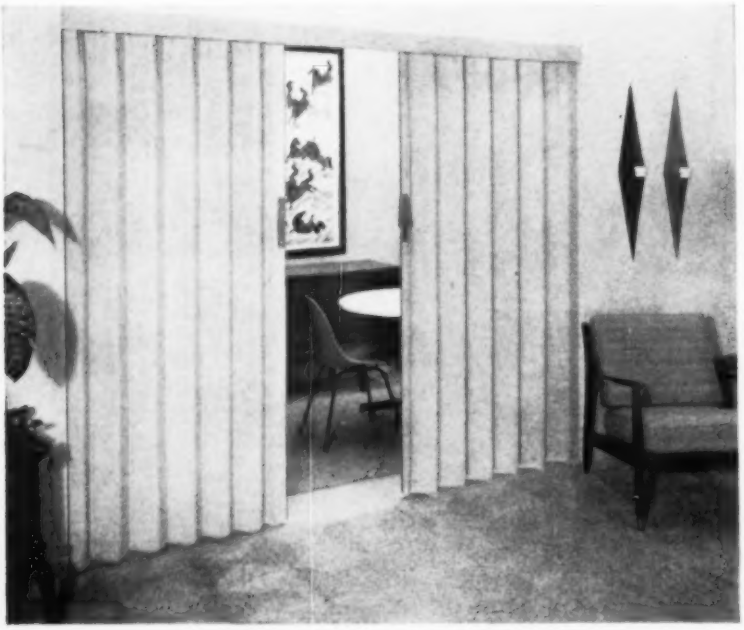
Paints • Glass • Chemicals • Fiber Glass

In Canada: Canadian Pittsburgh Industries Limited

Open these doors TO THE MOST

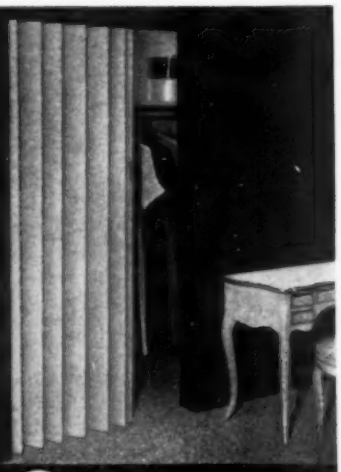
CLOPAY VINYL-COVERED FOLDING DOORS

From budget-priced Steelite, to decorator styled Magic-Fold, Clopay makes a vinyl-covered closure for every need . . . from a tiny closet to a huge multi-door installation . . . in fabulous selection of colors.



CLOPAY MAGIC-FOLD

Elegant in style and quality to please the most discriminating taste . . . yet modest in price. Designed to blend equally well with contemporary or traditional furnishings . . . in single or double-door installations. Available in a wide range of easy-to-care for "Fashon" vinyl coverings.



CLOPAY WAL-DOR

Economy line . . . but with many higher priced features. Handsome shantung embossed vinyl covers encase solid core panels for a lifetime of beauty and utility. Doors glide smoothly without a whisper. Easy and quick to install.

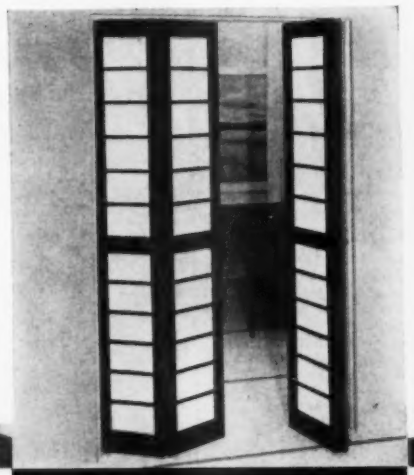
CLOPAY STEELITE

Luxurious styling and budget price makes Steelite the most practical closure. Can be installed in minutes. Vinyl laminated to S-curved steel panels that never sag out of shape insuring customer satisfaction. Latch-o-matic model includes matching cornice and deluxe handle.

DISCRIMINATING HOME BUYERS IN THE WORLD!

CLOPAY WOOD DOORS

Distinctive line offering a choice of outstanding decorative styles. Available in bi-fold, by-pass, accordion or conventional construction. Carefully crafted of kiln-dried redwood, and other fine woods, Clopay wood doors are sanded satin smooth, ready for finishing.



CLOPAY TROPIX-WEVE

High styled, multi-purpose door for the décor conscious purchaser. Made of kiln-dried California redwood frames with choice of woven redwood or blond mahogany (African limba) panel inserts. Woven panel construction provides ventilation of closets and any other areas where moisture might collect.

CLOPAY SHOJI

A touch of rich oriental flavor . . . though reasonably priced. Sturdy Fiberglas panels simulate the delicate beauty of rice paper. Double removable panels facilitate finishing.

CLOPAY SCULPTURED

(Medallion and Louver)

Exclusive new three-dimensional panel treatment. Crafted of kiln-dried California redwood frames with sculptured panels. Frames and panels may be painted to match or contrast with room décor . . . for the luxury look at the budget price.

CLOPAY corporation

CLOPAY SQUARE, CINCINNATI 14, OHIO

Factories at Detroit, Augusta, Ky., and Cincinnati

Door Division, Dept. AB-4
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____Vinyl covered doors ____Wood doors

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Firm _____

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LOOK INTO THE *Complete* LINE...

WAGNER *Garage* DOORS

RESIDENTIAL

Standard and special designs in sectional overhead type residential doors for quick factory drop shipment. Makers of the fabulous Redwood Beauti-door.

WOOD

All standard types of sectional overhead wood doors available in extension spring or torsion spring galvanized hardware.

STEEL

Sturdy sectional and one-piece steel overhead type doors available in residential and commercial sizes. Galvannealed steel and factory painted.

COMMERCIAL

Commercial sectional overhead type doors job design in wood or steel with either extension or torsion spring galvanized hardware.

Investigate the Wagner profit-making sales plan on Garage Doors. Ask for condensed price list AB-60.

Wagner also makes sawhorse trestles, folding scaffold and ladder brackets. Ask for building hardware bulletin AB-60H.

WAGNER Glidesper DOOR

WAGNER MANUFACTURING COMPANY
CEDAR FALLS, IOWA, U.S.A.

NOW... *

F.F.F.

IN OUR WINDOW!

*

FROST FREE FEATURE

AVAILABLE ON ALL

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HORIZONTAL ROLLING ALUMINUM PRIME WINDOWS

manufactured by

IDA PRODUCTS CO.

1909 E. FOREST / DETROIT 7, MICHIGAN

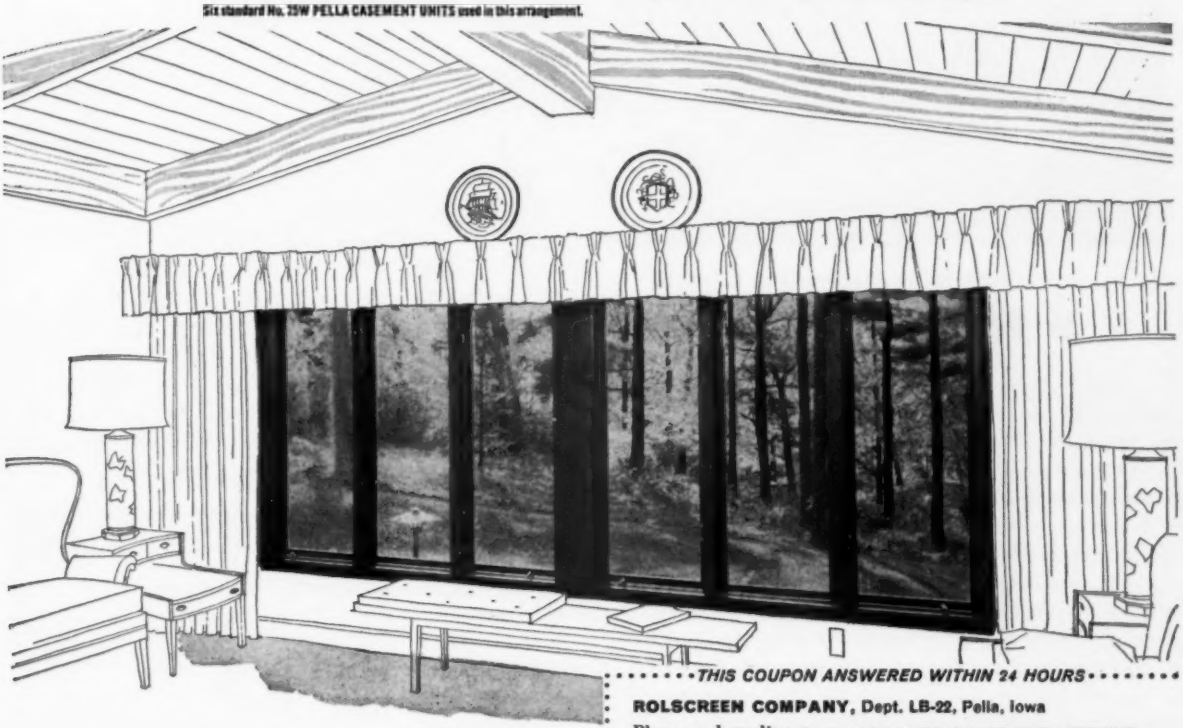
Write for full particulars

Pella® wood casement windows

...only ones to offer exclusive Rolscreen feature

Talk about a living convenience feature you can *demonstrate*...PELLA and only PELLA offers an *inside* screen that *rolls up and down!* Besides that, storm sash are also self-storing. Folks can say, "*goodbye window chores!*" After wrestling with conventional screens and storm sash, home buyers regard these two PELLA features as sheer luxury. And yet, you can afford PELLA WOOD CASEMENTS in your popularly priced homes. Do as so many leading builder-merchandisers are doing. Combine PELLA CASEMENTS with economical PELLA TWINLITE® or MULTI-PURPOSE WOOD WINDOWS. Find out how this will work on your next job by calling your PELLA distributor *now*. Consult your classified telephone directory...or mail coupon.

Six standard No. 25W PELLA CASEMENT UNITS used in this arrangement.



ARCHITECT: PAUL ALBITZ, BUILDER: JOSEPH N. BOYER

THIS COUPON ANSWERED WITHIN 24 HOURS

ROLSCREEN COMPANY, Dept. LB-22, Pella, Iowa

Please rush me literature on PELLA WOOD CASEMENTS, TWINLITE and MULTI-PURPOSE WINDOWS.

NAME _____

FIRM NAME _____

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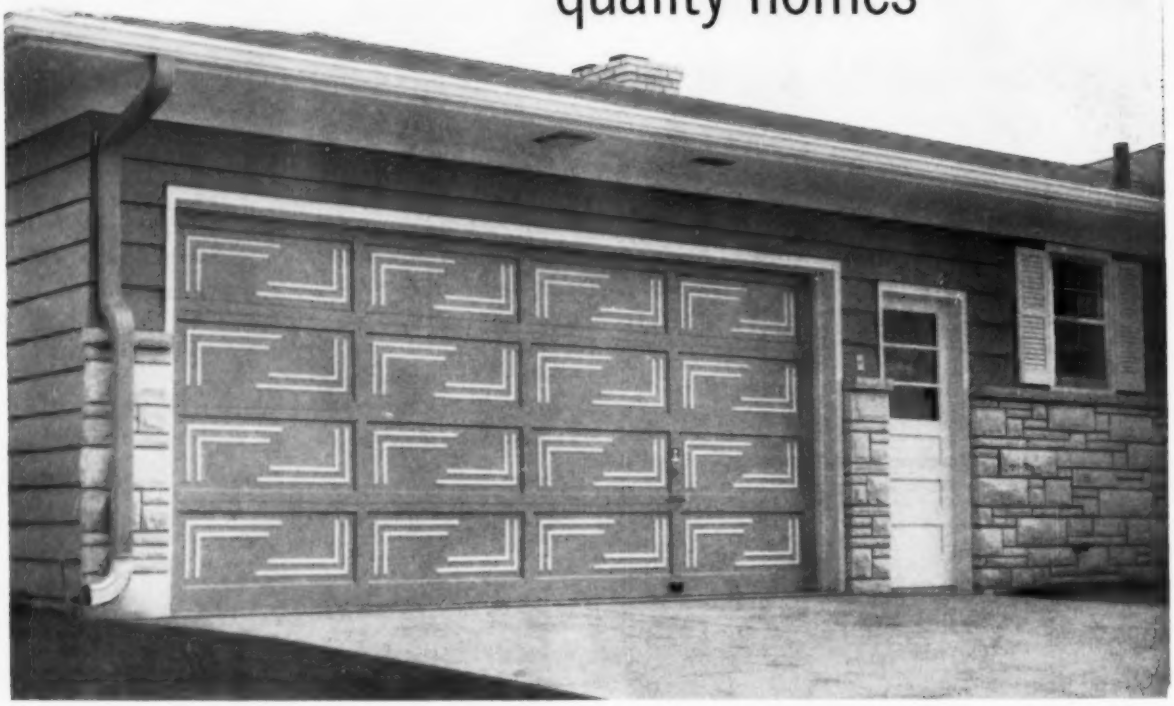
CITY & ZONE _____ STATE _____

finishing touch to your quality homes



a RO-WAY overhead garage door

You know it . . . we know it . . . today's home buyers are more cautious, more critical, more quality-conscious than ever. So, the more *quality* products you can show and demonstrate, the easier it is to close the sale.

In RO-WAY garage doors you have quality that practically speaks for itself. *Smart styling,* for example, with decorative or standard panels. *Finest materials* —carefully selected woods and heavier-gauge hardware. *Superior construction* throughout, such as glued and steel pinned mortise and tenon joints, rabbeted sections, precision squared muntins, rails and stiles. *Easy, quiet operation* with ball bearing rollers, specially designed track and tension-balanced springs working together for smooth performance.

This is RO-WAY quality . . . quality your prospects can see and appreciate . . . quality that helps make your sales job easier. See for yourself—call your RO-WAY distributor for full details.

For added sales appeal and maximum convenience, install the famous RO-WAY Electric Operator with push-button or remote electronic control.

SEE OUR CATALOG IN SWEET'S ARCHITECTURAL FILE OR WRITE FOR COPY

Find Your Nearest Distributor in The 'Yellow Pages'

Only a GARAGE Offers:

- Complete Protection
- Finished Appearance
- Extra Storage Space
- Extra Room

there's a Ro-Way for every Doorway!

RESIDENTIAL • COMMERCIAL • INDUSTRIAL

Ro-Way OVERHEAD DOORS

ROWE MANUFACTURING CO.
720 Holton Street • Galesburg, Illinois

"Town and Country" *oriels (fixed upper sash with operating lower sash) create the feeling of spaciousness . . . let in the* ***sun . . .*** *save you $50 to* ***$60 per multiple*** *installation.*

Malt-A-Glide *wood units combine ideally to form large glass areas and distinctive groupings for light and airy living.*

Malta "Town and Country" *units, with two fully operating awning-type sash, let in more sun . . . permit up to 100% ventilation.*

lower your building costs... improve buyer appeal

Malta "let-in-the-sun" window designs instantly and unforgettably convey to the prospective buyer an impression of genuine quality, beauty, modern styling . . . and a promise of cheerful living.

The new Malta "Town and Country" oriel unit, for example, gives your new homes all the warmth and utility of wood windows—plus slim, trim lines. The spacious fixed upper sash and awning-type lower sash let in more sun and light. And, there is no clumsy center partition rail to spoil the thin-line design or obstruct visibility.

Malta "Town and Country" units give you all the features of stacked vents . . . yet they cost about one-third less. An Erie, Pennsylvania builder stated flatly: "I save enough with 'Town and Country' windows to include screens and storm sash at no cost to the buyer."

Talk to a Malta dealer today. He's your direct line to faster sales and higher profits on every new home you build.

Supreme Quality Since 1901

THE MALTA MANUFACTURING CO.
Malta, Ohio

Malta
WOOD
WINDOWS

Cut installation time in half!

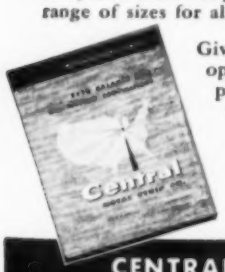
IMMEDIATE DELIVERY

COMPLETE PRE-ASSEMBLED SET

Includes aluminum jamb cover, steel flocked spring balances, spring covers. COVERS RIVETED PERMANENTLY.

WITH *Pre-assembled* **CENCO WEATHERSTRIP AND SASH BALANCE**

One piece for each side of double hung window! Just fasten the sash and the job is done. Installation time is half! Speeds window production, too! Increases profits! Complete range of sizes for all frame openings!



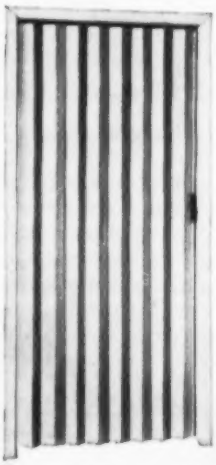
Gives silent dependable operation plus tightest possible seal. Check with us today for prices.

SEND FOR THIS ***FREE CATALOG***

CENTRAL METAL STRIP CO.

4343 N. WESTERN AVENUE • CHICAGO 18, ILLINOIS • JUniper 8-8036

INSTALLED IN SECONDS!



NO Hanging!
NO Painting!
NO Hardware!

New, unique patented design enables the builder to use construction short-cuts, labor-saving installation procedures never before enjoyed. Available in heights to 8', widths to 4'. Can be installed in pairs. 16 lovely, washable, fire-resistant vinyl colors available.

THE *Columbia-matic*

FABRIC DOOR

Slashes Builders Costs

For complete details write

THE COLUMBIA MILLS, INC.

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BRAND NAMES DIRECTORY

(Continued from page 190)

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ORTHOCIDE California Spray-Chemical
ORTHO-GRO California Spray-Chemical
OSMOPLASTIC Osmose Wood Preserving
OSMOSALTS Osmose Wood Preserving
O T C Owatonna Tool Co
O-T OPEN TRUSS Republic Steel Corp
OVERDOORS Barber Colman Co
OXALUMA Cortland Grinding Wheels
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OZARK Ozark Oak Flooring Co
OZAN Ozan Lumber Co
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PARA-PLASTIC Servicised Prods Corp
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(Continued on page 221)

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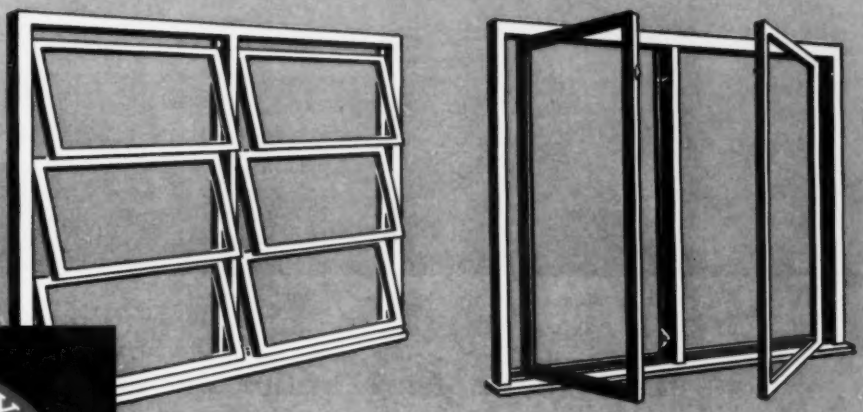
as close as your phone!

For many years the leader with Removable Double-Hung and Glide Windows

Exactly the right style and size for every residential requirement. Get details of the R•O•W full-line story from your dealer. He knows he can back R•O•W Windows all the way. Better design, more features and top-quality construction make these windows the first choice of builders who want to sell homes fast and at a fair profit. Achieve installation labor savings and eliminate costly call-backs with these beautiful windows.

AND NOW- America's Finest Awning and Casement



Both R•O•W SURE-LOK AWNINGS and R•O•W ROYAL CASEMENTS are self-locking. There are no separate and awkward locks. Both are beautifully designed for easiest operation and positive weather protection. They are years ahead of all competitive windows in styling and operation. If the R•O•W distributor in your area is not yet making these available, write us and we will have the closest manufacturing R•O•W distributor forward full information to you.

QUALITY R•O•W WOOD WINDOWS

R•O•W is the trade-mark of R•O•W Sales Company, 1365 Academy Avenue, Ferndale

R•O•W SALES CO. • 1365 ACADEMY AVE., DEPT. AB-460 • FERNDALE 20, MICHIGAN

Now 2 types of *Thermopane* insulating glass for all kinds of windows

It's both desirable and practical to put insulating glass in *all* of the windows of a house. Two types of *Thermopane* make it possible: *Thermopane* with *Bondermetic Seal** for picture windows, window walls and sliding doors; *GlasSeal** *Thermopane* for double hung, casement, awning, sliding—all types of opening windows.

Double Hung | Casement | Picture Window | Awning | Sliding Door

In every room . . . built-in quality you can

put your finger on!

It's there, lightly etched right on the pane —the familiar name *Thermopane*®.

Your prospective home buyers may miss it *if you don't point it out.* It's that inconspicuous! But the inscription is there—PROOF that you've used the best—built-in quality your prospects have read about in magazines and seen on network TV.

Thermopane has been nationally advertised for 17 years.

So most of your prospects know that *Thermopane in every window* means a more comfortable home to live in. A home that will cost them less to heat, less to air condition.

Put *Thermopane* in all of the windows of your next model house. Offer it as an option, if you wish. *Thermopane* is the best-known, most wanted insulating glass in the world.

. . . you can't miss with these merchandising aids!

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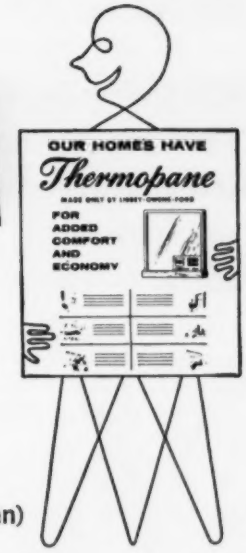
FREE WINDOW STICKERS



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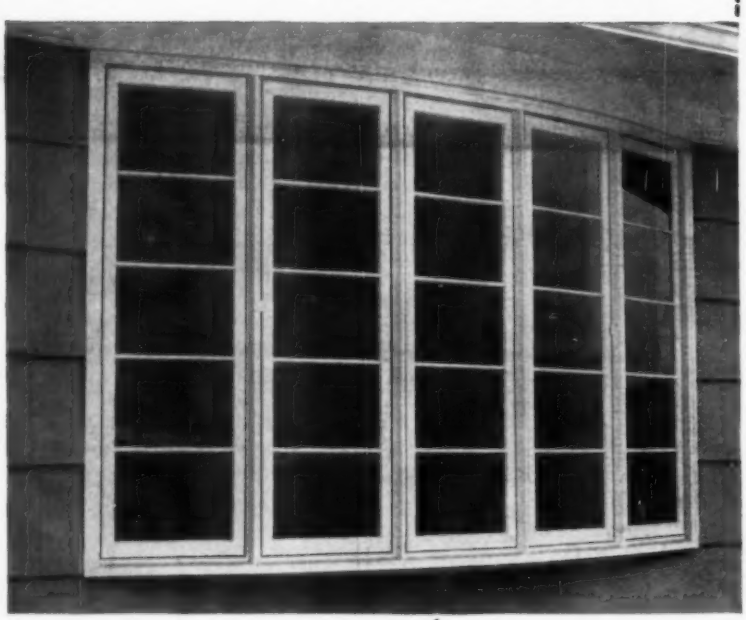
*In most cities. Consult your local station schedule

Thermopane INSULATING GLASS made in U.S.A. only by LOF GLASS

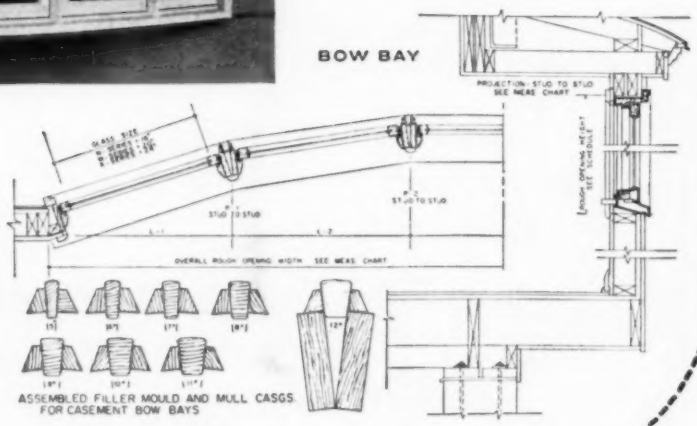
LIBBEY • OWENS • FORD • TOLEDO 3, OHIO

another first from **Bilt-Well**
by **Caradco**



Only BILT-WELL Casement and Double-Hung Windows convert to Angle and Radial Bays with all Stock Parts

Stock filler moulds for radial bays available to make angles from 5 degrees to 12 degrees. Choice of 30 or 45 degree stock filler moulds for angle bays.



BILT-WELL Engineering offers new flexibility in planning window arrangements... new labor-saving installation features

Unique window groupings limited only by creativity of the designer with BILT-WELL's unitized sill construction and stock filler moulds.

Individual units can be installed side by side in long, continuous ribbons... around corners...in charming angle or bow bays.

The BILT-WELL Line of Building Woodwork— *WINDOW UNITS, Double-hung, Awning, Casement, Basement. CABINETS, Kitchen, Multiple-use, Wardrobe, Storage, Vanity-Lavatory. DOORS, Exterior, Interior, Screen and Combination.*

Look for these BILT-WELL Window Features

1. **Distinctive Hardware**
2. **Effective Weatherstripping**
3. **Kiln-dried Ponderosa Pine, preservative treated**
4. **Surpasses F.H.A. Requirements**
5. **Single or Insulating Glass**

manufactured by
CARADCO, Inc.
Dubuque, Iowa

There's more to offer with BILT WELL WOOD WORK *by Caradco*

Specify the BILT-WELL Line by CARADCO

Build Well with BILT-WELL WOOD WORK

Super double-hung windows

Super-hold

with ingenious sash-holding device for budget homes.

Super-lift

with fingertip operation for medium priced homes.

Super-therm

with double insulating glass for custom built homes.

Casement Windows

Sleek, trim, double-weather-stripped casements with concealed hinges and hardware. Unitized sill permits side-by-side installation in long ribbons.

Awning Windows

New releasable hinge permits removal of sash for easy cleaning. Lever, jointed bar, rigid bar or gear operator available. Use these windows as casements, awning, hopper or fixed sash.

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Beautiful, streamlined cabinets of Ponderosa Pine, all water repellent treated for dimensional stability, with pine or birch doors and drawer fronts. Cabinets come in 3" modules to fit any size kitchen. Wide choice of accessories.

Storage Walls

Economical and practical arrangements of door and drawer units form complete storage walls. Easy to install in out-of-the-way corners for additional storage, too.

BILT-WELL Products
by **CARADCO, INC.**
Dubuque, Iowa

BRAND NAMES DIRECTORY

(Continued from page 216)

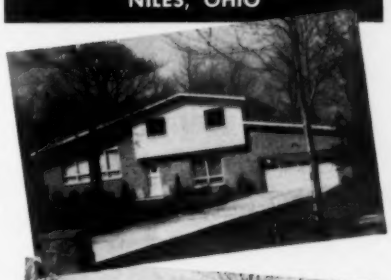
PATCH PASTE Schalk Chemical Co
PATHFINDER LIGHTS Cannon Electric
PATIO MAGIC Daryl Products Corp
PATIO RAMA Daryl Products Corp
PATRICIAN Tilley John S Ladders Co
PATTEN-COMFORT Patten J V Co
PAUL BUNYAN Linseed Oil Products Co
PAUL HEINSLEY'S Heinley Mastercraft
PAYLOADER Hough Frank Co
PAYLOGGER Hough Frank Co
PAYMOVER Hough Frank Co
P C GLASS BLOCK Pittsburgh Corning
PEARLITE Lustro Tile Mfg Co
PEE GEE Devoe & Raynolds Co Inc
PEE GEE Peaslee-Gaulbert Paint Varnish
PEERLESS Peerless Heater Co
PEERLESS Robbins Flooring Co
PEERLESS Tucker Duck & Rubber Co
PEERLESS Peerless Corp
PEERLESS DOOR Holcomb & Hoke Mfg
PEG-BOARD Masonite Corp
PELLA Rolscreen Co
PENCHLOR Pennsalt Chemicals Corp
PENCHROME O'Brien Corp
PENCO McGuffie Co
PENCO (Cabinets) Alan Wood Steel Co
PENETRAY Penetray Corp
PENETREM Tremco Mfg Co
PEN-FAST O'Brien Corp
PENGLASS Pennsylvania Wire Glass Co
PENMETAL Penn Metal Co Inc
PENN CRETE Penn Crete Prods Co
PENN-TONE Penn Crete Prods Co
PENNTROWEL Pennsalt Chemicals Corp
PENNVERNON Pittsburgh Plate Glass
PEN-O-LASTIC McGuffie Co
PENPLY Peninsula Plywood Corp
PEN-SHEEN O'Brien Corp
PENTAFLEX Moore Benjamin & Co
PENTA STAIN Wood Treating Chem Co
PENTECOR Mississippi Glass Co
PEN-TEX O'Brien Corp
PENTEX Penn Crete Prods Co
PENTOX Osmose Wood Preserving Co
PEOPLE HEATER Emerson-Pryne Co
PERCHLORON Pennsalt Chemicals Corp
PERF-A-TAPE United States Gypsum Co
PERFEC-SEAL Reese Metal Weatherstrip
PERFECTAIRE Perfect Line Mfg
PERFECTION Arkansas Oak Flooring Co
PERFECTION Lufkin Rule Co
PERFECTO Green A P Fire Brick Co
PERFORALL Woodall Industries Inc
PERFO-ROUND Cascades Plywood Corp
PERFO-SQUARE Cascades Plywood Corp
PERFUSAIRE Auer Register Co
PERIM-A-BASE Burnham Corp
PERIMAHEAT Young Radiator Co
PERIM-A-PACK Burnham Corp
PERIMETER INSULATION Corson G & W H Inc
PERIMSUL Baldwin-Ehret-Hill Inc
PERLITE Builders Fireplace & Supply
PERMA BED Biddle Co
PERMACOUSTIC Johns-Manville Corp
PERMA-CUSHION Robbins Flooring Co
PERMA-GARD Gilbert & Bennett Mfg
PERMAGLAS Smith A O Corp
PERMA GLAZE Biddle Co
PERMAGILE COMPOUNDS S & #10 Permagile Corp of America
PERMAGLOSS Thomas Moulding Floor
PERMA-GRIT Skil Corp
PERMA JACKS Perma-Jack Corp
PERMA-JET Webb Industries Inc
PERM-ALIGN Cummins Portable Tools
PERMALINE Line Material Industries
PERMALITE Great Lakes Carbon Corp

(Continued on page 224)

calder Wedge Tight

GARAGE DOORS HELP SELL HOMES for Albee Homes, Inc.

NILES, OHIO



Because they incorporate a fine combination of smart, good looks with excellent construction and workmanship, they find that Calder doors help to make home sales easier and their list of satisfied customers grow.

Every Calder Wedge-Tight door . . . the door that floats on lifetime bearings . . . fits like part of the wall, yet even a child can raise and lower it easily.

Discover for yourself how Calder doors can help to sell your houses. Our trained salesmen will be glad to create interest at your Demonstration Homes with radio controlled doors . . . provide free, colorful literature . . . demonstrate famous Calder quality to help sell the house!

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LANCASTER 12, PENNA.

Tomorrow's window

MODERN! WABASH

VISTA

DISTINCTIVE VISTARAMA CASEMENT WINDOWS—*with exclusive Vistarama removable framed grids. Slimlined elegance combined with a smart decorator touch.*

YEARS AHEAD of all other windows—Vistarama leads in design, engineering and construction. Quality craftsmanship combines with "new idea" features to make Wabash Vistarama the wood window line that sells on sight.

The Wabash Vistarama line, with its new dimension in styling, offers you windows to sell for every home, every room. Not shown above are Vistarama Panel Windows . . . versatile units that install in countless groupings; can be used as awnings, hoppers, fixed units or as economy casements. And gracious Vistaview Picture Windows combine with any ventilating unit in charming combinations.

All Wabash Vistarama units are crafted of preservative-treated Ponderosa Pine . . . backed by 75 years of Wabash woodworking skill. Get all the facts on this modern line of quality wood windows—learn how you can fit Wabash Vistarama Windows into your summer and fall starts, and to remodeling projects. Learn how adaptable these units are to a variety of designs. You'll find prospective home buyers will appreciate the extra quality of Wabash Vistarama Windows.

features...here today!

RAMA

WOOD WINDOWS

MODERN VISTARAMA PICTURE-AWNING WINDOW—*for a picture view and fresh air, too. Fixed upper sash, ventilating lower sash in a single Vistarama unit.*

Typical Vistarama advanced design features:

MORE WEATHER-TIGHT—neoprene weatherstrip, applied to the frame for tighter seal. Retains flexibility at temperature extremes; will not deteriorate.

RIGID CONSTRUCTION—assures permanently square frames. Glued and pinned slot and tenon construction.

WOOD BEAD GLAZING—glass set in glazing compound; anchored with attractive wood stops. Tighter seal; faster and easier to reglaze.

WABASH VISTARAMA WINDOW UNITS

DISTRIBUTION

Wabash Vistarama Windows are sold through reputable millwork jobbers and lumber dealers. For the name of the nearest jobber or dealer to you, write WABASH, 310 South Michigan Avenue, Chicago 4, Illinois.

WABASH VISTARAMA IS THE REGISTERED TRADE-NAME OF

THE WABASH SCREEN DOOR COMPANY 310 South Michigan Avenue • Chicago 4, Illinois

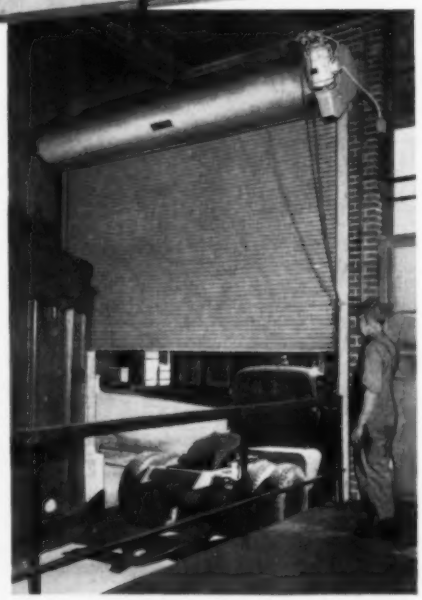
Quick Answers to All "Closure" Needs Like These

— with all advantages of space-saving upward action

Kinnear Counter Shutters — a curtain of interlocking aluminum or steel slats, in Kinnear's straight profile "Midget" slat design. Ideal for food-service and locker-room counters, pass-through openings to tool or parts rooms and similar areas.

Kinnear Rolling Grilles — provide an "openwork" curtain of steel bars and links. Blocks trespass, but not light, air or vision. Restrict passage anywhere — at corridors, stairwells, doorways, counter openings, or as area-dividers.

Kinnear Rol-Top Doors — sectional upward-acting doors. Wood or all-steel. Open to horizontal position above the doorway. Any number of panels for glass.



Kinnear Rolling Doors — interlocking-slat doors of zinc-coated steel (or aluminum or other metals) form a rugged upward-acting curtain that combines the utmost in efficiency, durability, protection.

Quick answers, yes — plus advantages you can't match with any other types of closures — *and extra durability as a bonus!*

In addition, they open completely out of the way . . . clear the entire opening . . . remain out of reach of damage while opened . . . complement any building architecture . . . assure extra protection . . . bar intrusion . . . discourage vandalism.

These and other Kinnear doors — proved on every type building through more than 60 years — are built to fit any opening, with manual or motorized operation. Get full details in Kinnear's new 1960 catalog — yours without cost or obligation. Write today.

The KINNEAR Manufacturing Co. FACTORIES: 1560-80 Fields Ave., Columbus 16, Ohio; 1742 Yosemite Ave., San Francisco 24, Calif. Offices and Agents in All Principal Cities

Saving Ways in Doorways

KINNEAR ROLLING DOORS

BRAND NAMES DIRECTORY

(Continued from page 221)

PERMALUME Shower Door Co of Amer
PERMA-LOK Logan-Long Co
PERMA-NETTING Gilbert & Bennett
PERMA-POST Perma-Jack Corp
PERMA-SPUN Logan-Long Co
PERMATAB Logan-Long Co
PERMATITE Durkee-Atwood Co
PERMATITE General Bronze Corp
PERMATOP Permagile Corp of America
PERMA WALL Conver Steel & Wire Co
PERMA-WALL Logan-Long Co
PERMITE Permiteco Inc
PERM-NENT Asphalt Corp of America
PERMO DIP Wilbur & Williams Co
PERM-SEAL Asphalt Corp of America
PERSIANS Watsontown Brick Co
PET Portable Electric Tools Inc
PETCO Petterson J C Corp
PETER PUTTERS Schalk Chemical Co
PETROCOTE Thilmany Pulp & Paper Co
P G 1013 Permagile Corp of America
PHENIX QUALITY Phenix Mfg Co
PHILGAS Suburban Propane Gas Corp
PHOENIX Samson Cordage Works
PIGSKIN Industrial Canvas Prods Corp
PILGRIM Abrasive Products Inc
PILOT Flat Metal Mfg Co
PILOT Johns-Manville Corp
PINCOR Pioneer Gen E Motor Corp
PINE CRAFT White Pine Sash Co
PIN-UP Holly-General Co Div Siegler
PIONEER Pioneer Plastics Corp
PIONEER Sunbeam Plastics Corp
PIONEER (Tools) Pioneer Gen E Motor
PIONITE Pioneer Plastics Corp
PIPE-SEAL Calbar Paint & Varnish Co
PIT-TILE Jones & Brown Inc
PITTSBURGH CROWN INTERLOCK Jones & Brown Inc
PITTSBURGH LOCK HAMMER Milwaukee Electric Tool Corporation
PLACCO Borden Chemical Co
PLANET Johns-Manville Corp
PLANKED GOLDEN HEMLOCK Simpson Logging Company
PLANKTEX United States Plywood Corp
PLANKWELD United States Plywood
PLANTEX United States Plywood Corp
PLASGON Cabot Samuel Inc
PLASTEEL Plasteel Products Corp
PLASTEELITE Plasteel Products Corp
PLASTER GUARD Casings Inc
PLASTER PATCH United Gilsonite Labs
PLASTER-WELD Larsen Products Corp
PLASTIC-ARMOR Permagile Corp
PLASTICO Allied Chemical Corp
PLASTICO Douglas & Sturgess
PLASTICONE FORM TIE Gates & Sons
PLASTIC RESIN GLUE Borden Chemical Co
PLASTIGLASS Warp Brothers
PLASTI-GLAZE Plastic Products Co
PLASTIGLIDE Plyco Corp
PLASTIKOTE Chicago Bronze & Color
PLASTIMENT Sika Chemical Corp
PLASTIVENT Plyco Corp
PLASTOID Plastic Products Co
PLASTOLITE Celotex Corp
PLAST-O-MAT Warp Brothers
PLASWOOD Southern Plaswood Corp
PLAX Lowe Bros
PLAX-COTE Lowe Bros
PLEXCOAT Plextone Corp of America
PLEXIGLAS Rohm & Haas Co
PLEXTONE Plextone Corp of America
PLUG-IN STRIP National Electric Div
PLUGMOLD Wiremold Co
PLUG-N-SEAL Horn A C Cos
PLURALITE Mississippi Glass Co

(Continued on page 238)

Yes...metal doors have grown up...

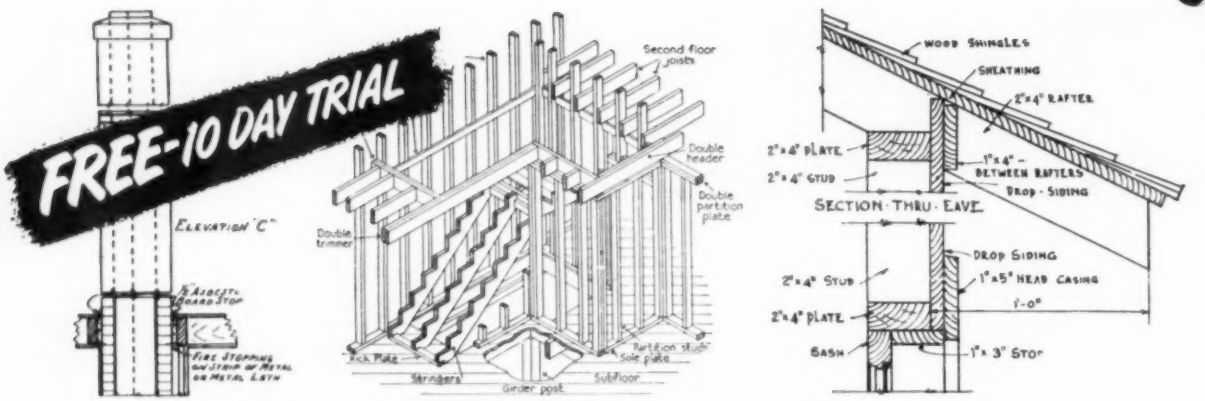
Building demands of a decade ago forced the development of a low cost metal door to meet the minimum requirements for large multiple dwelling projects. Mass production methods quickly met these demands with standardized doors, the importance being placed on volume and low cost.

Today architects and builders are demanding a better quality.

We believe it is important for all to know that U.S.F. DOORS ARE QUALITY. But they do offer the economy of engineering ingenuity and production line methods unmatched today.

USF UNITED STEEL FABRICATORS, INC. • WOOSTER, OHIO

DOOR AND FRAME DIVISION



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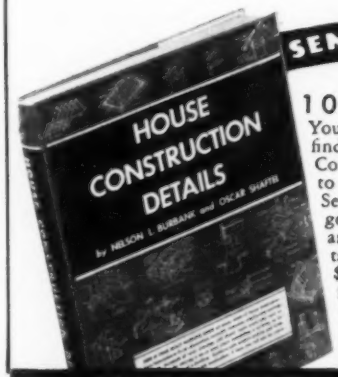

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- By architecting stories so the plan shows;
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Why do we save the reader's time?

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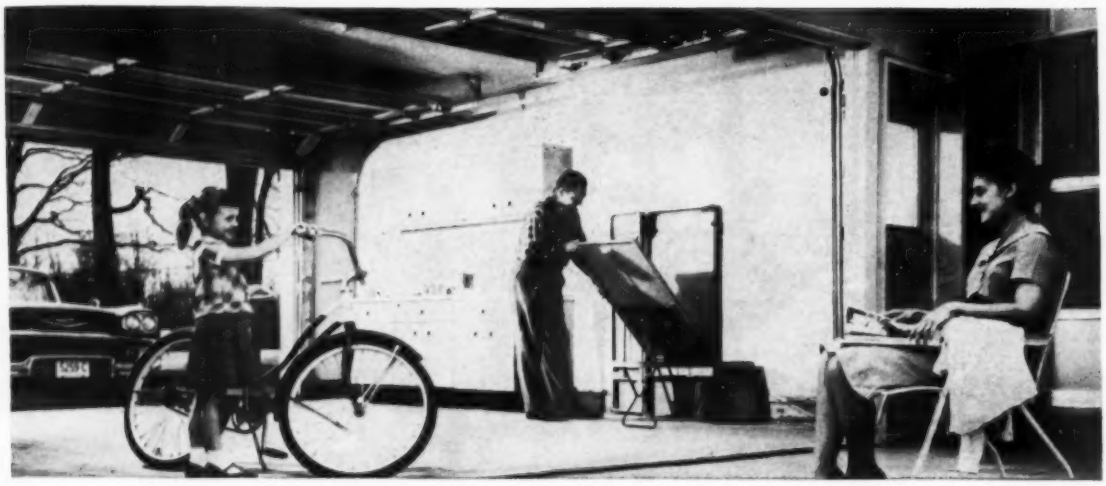
You get wide awake readers with Simmons-Boardman **Time-Saver** ***magazines***



Today's garage—your biggest bargain in space

More and more builders are turning to the profit and sales potential so evident in the garage. The reason is space—the extra storage, work and play space homebuyers are demanding. It's space a garage provides at the lowest cost per square foot.

It's no secret to you—today's homebuyers want more space . . . for privacy, activity, storage. They need more space to raise growing families. Unfortunately, this extra space in a home also raises the price.

For a homebuyer, the alternative to this space-price problem is to buy an older home, and that's what the majority do. For you, the alternative to losing these sales is to offer *more* livable space at *less* cost, and you can. You can develop and sell the extra living space, the extra storage space offered in the most neglected area of your home—the garage. It's your biggest bargain in space!

1. The garage is a bargain to build.

Consider the worth of a garage. In addition to storing the car, it's an excellent place for a home workshop, a rainy-day place for children to play, an out-of-the-sun place for summer barbecues. It supplies room for storage of bicycles, lawn mowers, garden tools, and for activities the house *cannot* supply. Best, it's a bargain to build.

Extra-use space costs ⅔ less to build. If you're an average builder, your *square foot* cost for building a garage is only one-third the cost of building the rest of the home—$3 to $5 per square foot, compared with $9 to $15. An analysis by Len Haeger,[1] architect, estimates the building cost of an attached garage at about $2.00 a square foot. This does not include land cost, overhead or profit. Compared on the same material-and-labor-only basis, the cost of a three-bedroom home is $6.72 per square foot. It adds up to this: you can build 300 to 400 square feet of extra space in your homes at approximately *one-third of the square foot building cost.*

What about down payment? Down-payment-wise the garage is *still a bargain to sell,* especially for homes priced near $15,000 without garage. The down payment of a $15,000 home with FHA financing is $705. You add only $260 for a *double garage* evaluated at $1200. The total down payment for this more livable, more *salable* home would still be less than $1000. Even for a home costing $16,000—a double garage adds only $360 to the down payment.

Builders who have recognized the sales significance of the garage testify that the average homebuyer *can* and *will* put down an extra $200 to $300 for the space he needs in a garage. One of the first things most new homeowners do is add a garage. In fact, a study of 1957 Chicago area building revealed that the number of permits issued for garages was approximately two-thirds of those issued for new homes.[2]

Extra usability ups FHA evaluation. Not only is a garage cheaper to build per square foot, but also it gets an *even higher evaluation* when offered as multi-use space. A builder in Ohio reports his garage evaluation was increased from $950 to $1060 when he used Overhead Door Corporation's "Convertible-Garage-Room" plan to make the garage more attractive as *livable* space. He gained $110 in evaluation for only $40 cost.

2. The garage is bargain space homebuyers want and need.

Buying and building trends favor the garage. Surveys show the garage, competing with carports or built-in features, is the heavy favorite with homebuyers. A study made by PRACTICAL BUILDER[3] found 62% of homes now being built include a garage. A survey by the National Association of Real Estate Boards[4] reveals that 53% of realtors believe a garage to be a strong influence in the sale of a home. In a study made by ARCHITECTURAL RECORD[5] architects cited the low-cost extra space offered by a garage as one of the important reasons for garage popularity. Of course, a substantial share of this preference for extra space in the garage has grown with the increase in non-basement construction.

Extra space is essential in non-basement homes. The total space in the average three-bedroom home just doesn't offer enough storage space, work space, play space. HOUSE AND HOME reported[6] recently that, according to the Small Homes Council, The Cornell Kitchen Study, and the mortgage department of Metropolitan Life, FHA standards require *less than half* the storage space needed by most young families.

Trend favors 2-car garage. The fact that homebuyers favor the garage as the solution to their space problem is underlined by the trend to the two-car garage. Surveys show only 15% of families actually have two cars, yet 61% of garages being built are two-car or larger.[3] For one-car families, the double garage means ample room to open the car door, easier loading and unloading; it offers space for storage and play; it adds structural size that enhances the appearance of their home.

3. Unique "OVERHEAD DOOR" ideas open garage for work, play.

Overhead Door Corporation has taken the lead in developing plans to help you *sell* this bargain space as multi-use space. One especially exciting idea is the "Convertible-Garage-Room"— a garage that converts in seconds to a livable room. All it takes is a second "OVERHEAD DOOR" to replace the blank back wall (or side wall) to open the garage to bright, inviting living space.

Garages using this sales-provoking idea have been built all over the country, winning a tremendous response from space-hungry homebuyers.

"Convertible-Garage-Room" adds multi-use space at lowest cost. Before designing the "Convertible-Garage-Room," Overhead Door Corporation engaged a market research company to interview homebuyers on their need for extra space.[7] This research revealed that seven out of 10 homebuyers want and need the multi-use space a "Convertible-Garage-Room" offers. It also showed that over half of those interviewed would pay $400 and more for this feature. Yet a "Convertible-Garage-Room" adds less than $100 to the cost of a conventional two-car garage. Materials and labor saved in the backwall make up most of the cost of the second door.

4. The "OVERHEAD DOOR"—your biggest bargain in satisfaction.

Ideas that make the most of the garage multi-use space are endless. And they are *practical*, thanks to the high product quality and reliable service included in every "OVERHEAD DOOR" installation. You're guaranteed that the "OVERHEAD DOOR" will fit tightly against weather and intruders, that it will open easily. There are no call-backs. If trouble should develop, it will be efficiently handled by the same factory-trained expert who installed the door—your local "OVERHEAD DOOR" distributor.

Style, too, is an important part of the sales appeal you get with famous "OVERHEAD DOOR." New 1960 models are available with a wide selection of flush, panelled, and carved doors to give you distinctive design as a valuable sales closer.

See your "OVERHEAD DOOR" distributor. Get the full story on the tremendous sales potential in extra living space. Your "OVERHEAD DOOR" distributor has full information on the "Convertible-Garage-Room," including plans, bills of materials, and color sketches; also builder sales tools that include wall banners, newspaper ad layouts, colorful handout idea booklets and publicity releases. Look for your distributor in the *white pages* under "OVERHEAD DOOR," or write to Overhead Door Corp., Dept. AB-4, for new idea booklet, "Discovered – Extra Living Space."

Overhead Door Corporation, *General Offices:* Hartford City, Indiana – *Manufacturing Distributors:* Cortland, N.Y.; Hillside, N.J.; Lewistown, Pa.; Nashua, N.H. – *Manufacturing Divisions:* Dallas, Tex.; Portland, Ore. – *In Canada:* Oakville, Ontario.

THE "OVERHEAD DOOR" TRADE MARK

the original upward-acting sectional door

MADE ONLY BY

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1—Consultant to FHA, National Housing Center, Time-Life, Inc. • 2—Study by Bell Savings and Loan Association of permits issued, Metropolitan Chicago area, 1957 • 3—Garage door study, August, 1959 • 4—December, 1959 issue, "Headlines" • 5—Garage and carport study, September, 1954 • 6—May, 1959 issue • 7—United States Interviewing Corp., March, 1959

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BIFOLD DOORS SAVE TIME,

MATERIAL, LABOR—GUARANTEED

AGAINST WARPING!

NOW—FOLDING CLOSET DOOR UNITS THAT ELIMINATE COSTLY FRAMING-IN!

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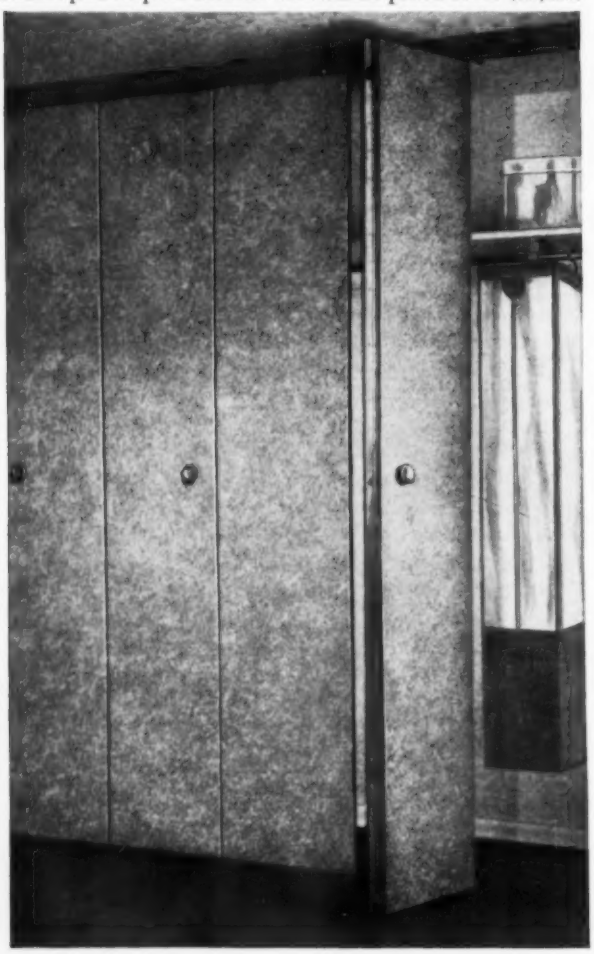

Pre-packaged Paniflex Bifold Doors need no studding or framing-in! The reason — their exclusive hardware system that requires no header, trim, or bucks. Any width opening can be covered. Bifold Doors can be installed in less than 30 minutes; you save on costly labor and you eliminate the expense of plaster board and lumber!

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truly weatherproof...wearproof!

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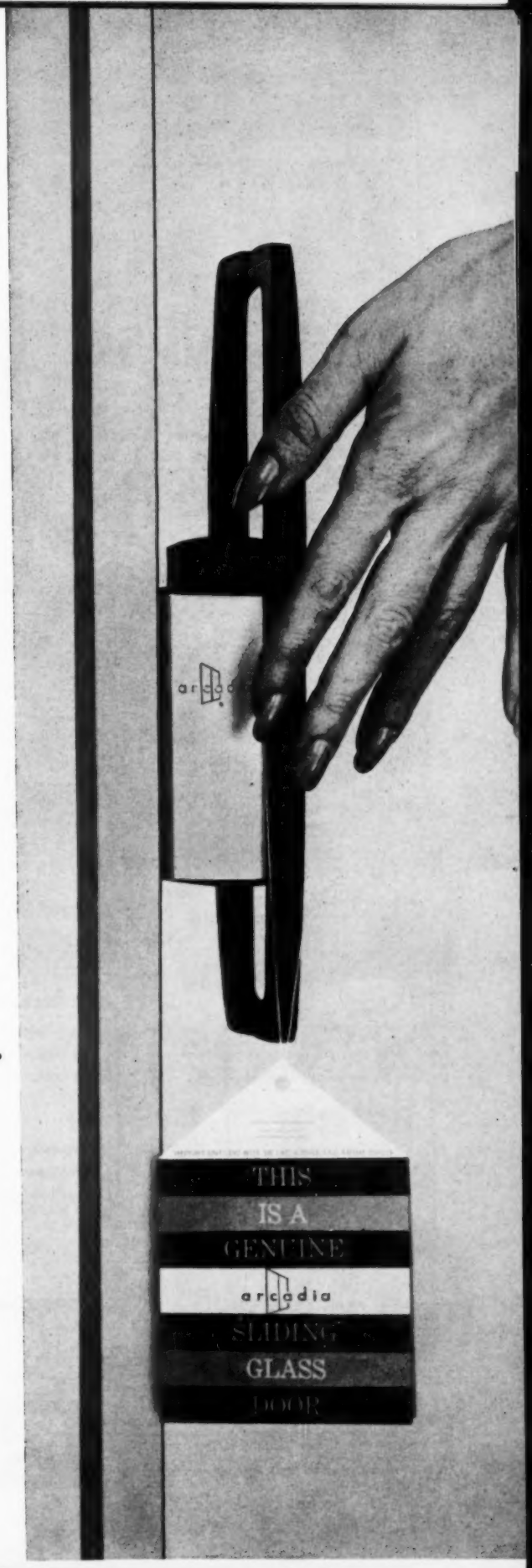
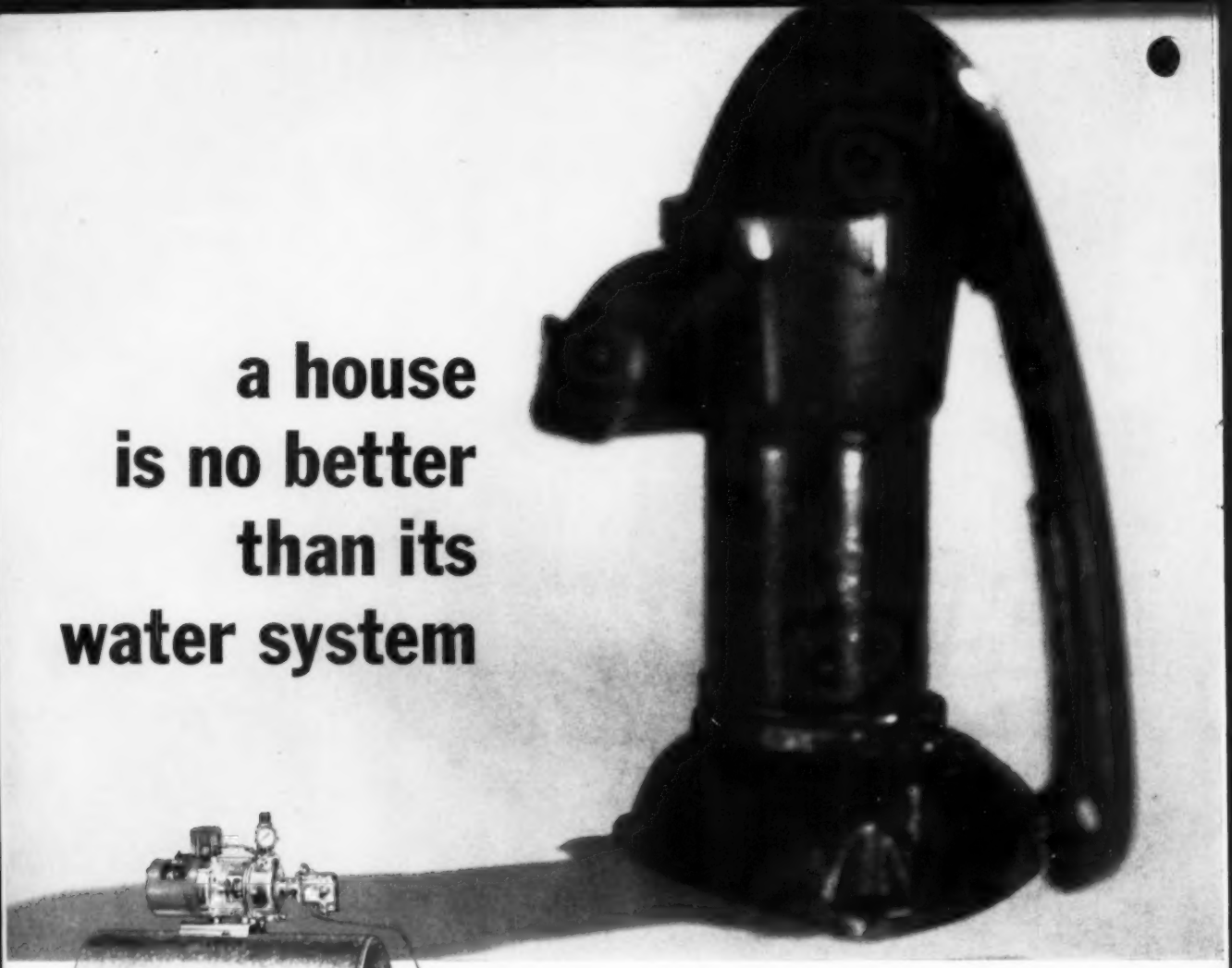
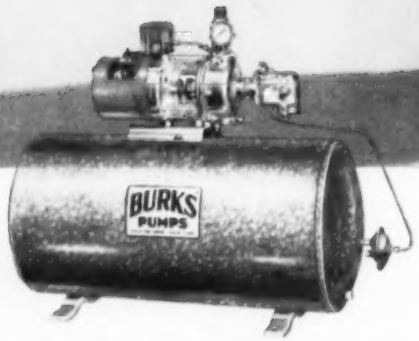
Arcadia Metal Products *Fullerton / California*

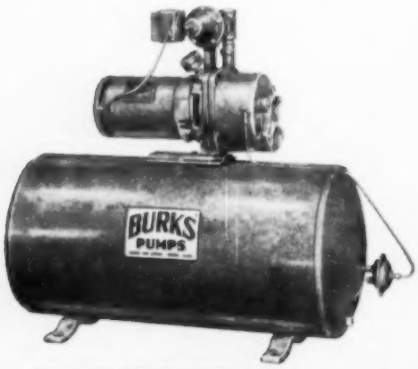




a house is no better than its water system



BURKS SUPER TURBINE. Dual-purpose—shallow or deep well. Self-priming, only one moving part. Slow-speed operation—1725 rpm. Sizes ¼ through 1 hp with capacities to 1320 gph. The only pump with LIFE-LOK, for up to 40% longer service life.



BURKS MULTI-STAGE CENTRIFUGAL. Greater capacities at higher pressures from deeper settings. Compression type fittings. Two- and three-stage pumps—½ through 1½ hp sizes with capacities to 2310 gph. All bronze pumping parts. Pump installs horizontally or vertically.

You read a lot these days about what sells houses. You name it, and that's it. But what good is it all without an adequate, dependable water system? After all, that's what bathes the baby, does the dishes, washes the clothes, sprinkles the lawn, helps cook the food, maybe cools the house and heats it, too, provides fire protection . . . and takes care of all the obvious personal needs.

Many builders the country around have found the answer in BURKS pumps and water systems. BURKS famous Super Turbine, for instance. The **only** pump with LIFE-LOK—a simple, external adjustment of the impeller that assures more gallons per minute, better performance, and up to 40% longer service life. Or BURKS new multi-stage centrifugal—for greater capacities at higher pressures from deeper settings.

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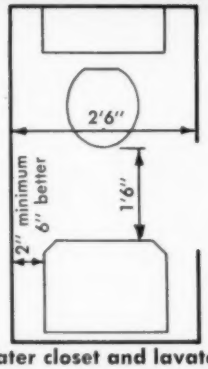
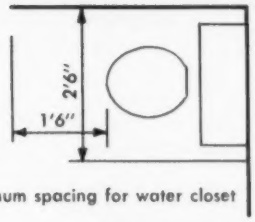
PLUMBING, WATER SUPPLY

Bathroom Standards

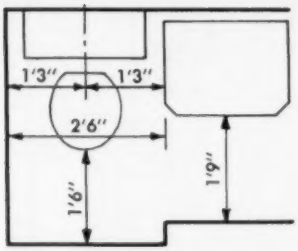


Water closet and lavatory

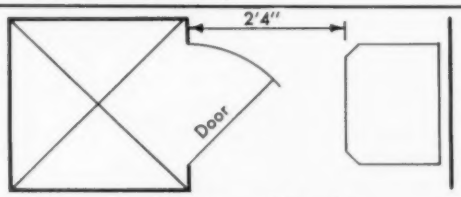


Minimum spacing for water closet

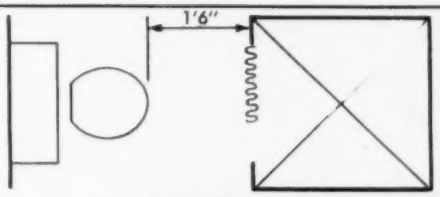
Water closet



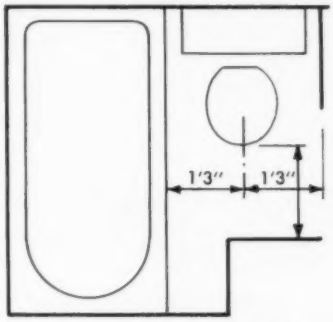
Water closet and lavatory side by side



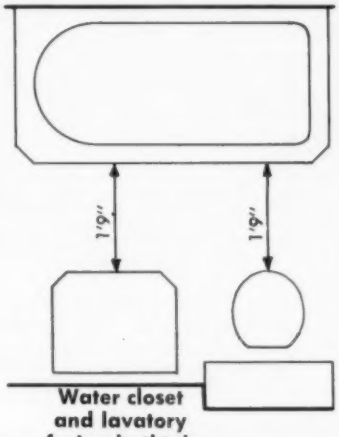
Shower and lavatory



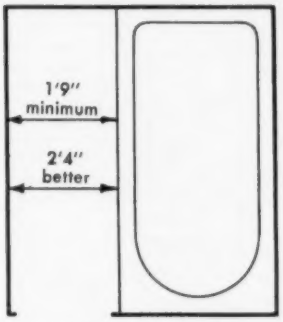
Shower and water closet



Water closet and bathtub side by side

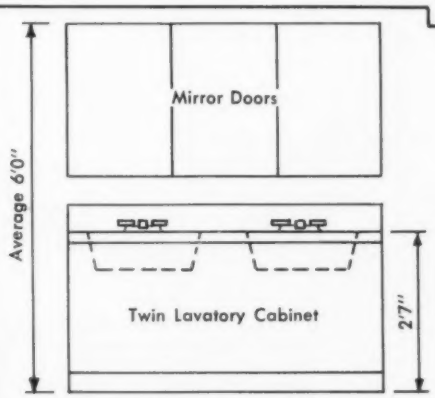


Water closet and lavatory facing bathtub

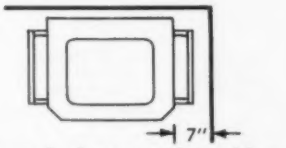


Wall and bathtub

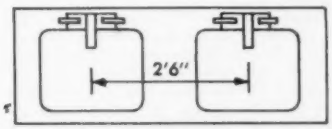
SCALE: 3/8" = 1'-0"



Average lavatory counter height 31"
For adult use in master bath 34-36"

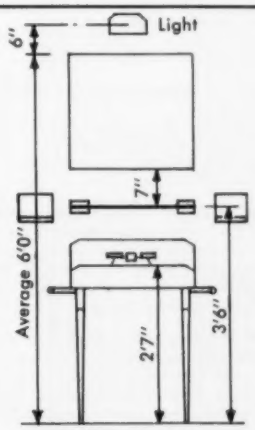


Clearance for lavatory with towel bars



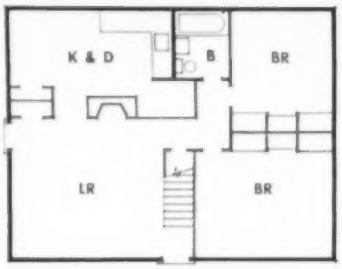
Recommended spacing for Counter Twin Lavatory installations

Lavatory



Shelf-Back Lavatory

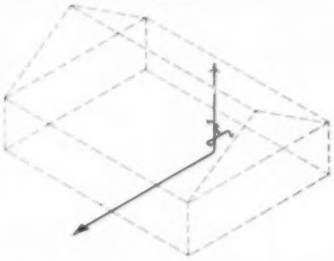
11

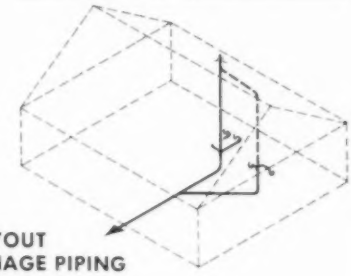


KITCHEN AND BATH BACK TO BACK

KITCHEN, BATH AND UTILITY ROOM ADJACENT

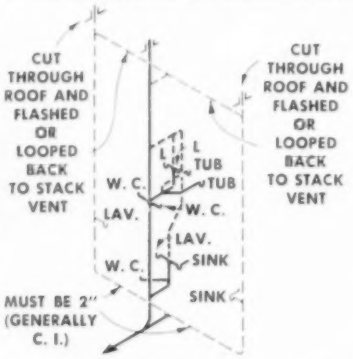
ONE-FLOOR PLANS: In the one-story basementless house, backing up kitchen and bathroom fixtures (plan, left), will produce the optimum in savings. When this is not practical, back up the rooms (plan, right.) When fixtures are badly separated in the plan, material and labor costs go up, not only for drainage and venting, but for water piping.



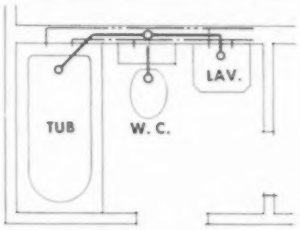


COMPACT FIXTURE LAYOUT WITH REQUIRED DRAINAGE PIPING

TWO BATHROOMS ALIGNED OVER A KITCHEN AND A POWDER ROOM

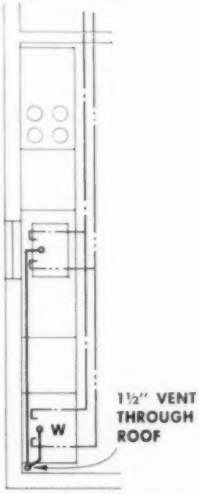


TWO-STORY HOUSE: A considerable saving is achieved when fixtures are aligned over one another, so that all may discharge to a single stack. Light dotted lines indicate extra piping that would be necessary if they were not aligned.



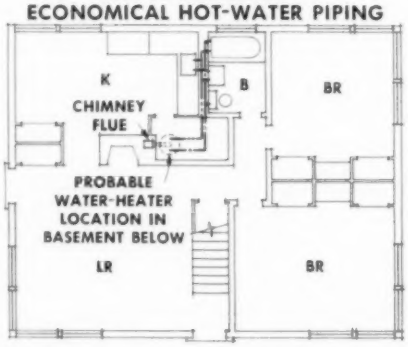
BATHROOM PLANNING: The fixtures in a single room, where practical, should be placed against and discharge toward, the same wall.

WELL-LOCATED WASHER



LOCATING CLOTHES WASHERS: Where possible, clothes washers should be placed to take advantage of an already existing vent, and should minimize the installation of extra water piping. The sketch above indicates one way this could be done.

WATER-HEATER AND CHIMNEY WELL LOCATED FOR ECONOMICAL HOT-WATER PIPING

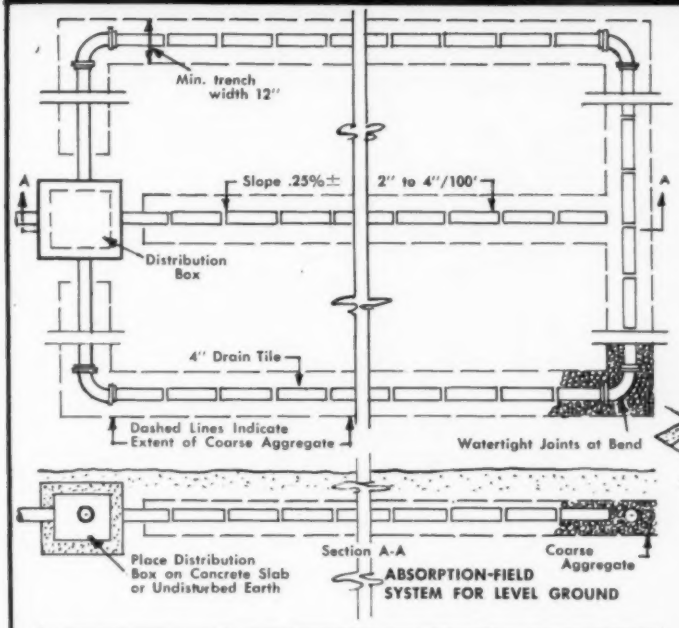


EQUIPMENT LOCATION: When water-heater is located too far from fixtures using hot-water, there is not only extra cost for material and labor to install the piping, but heat loss through the extra run of pipe makes the heater less efficient. Note in the plan above that fireplace was located so that water-heater could be properly vented and still be close to those fixtures needing hot-water.

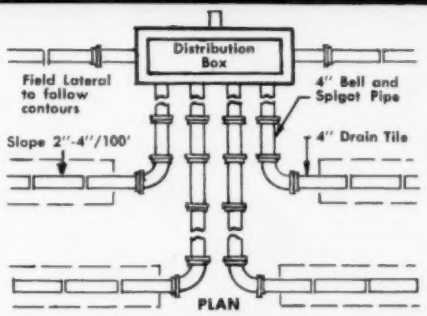
SOME FURTHER NOTES

- Wherever possible, it is best to locate rooms containing fixtures near the point of entrance of the water and sewer services. This will cut the length of service lines.
- Many plans today include compartmented baths; toilet and sink separate from tub and shower, or toilet separate from sink and tub and shower. Piping should be planned so that fixtures drain and are vented with a single stack.
- The suggestions on this page are not meant to be absolute. Local conditions and codes sometimes prevent installations as shown here. However, when they can be used, savings mount — especially in multi-home projects.

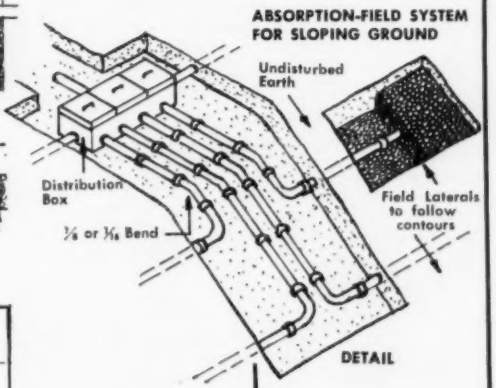
11



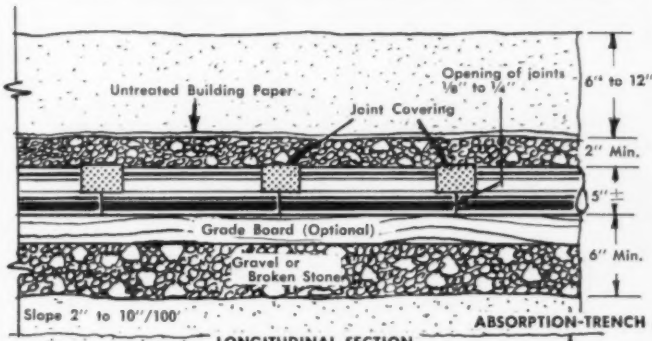
ABSORPTION-FIELD SYSTEM FOR LEVEL GROUND



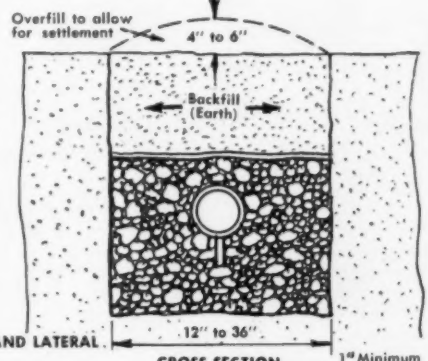
ABSORPTION-FIELD SYSTEM FOR SLOPING GROUND



Trench width, inches	Minimum distance between centerline of trenches, feet	Trench width, inches	Minimum distance between centerline of trenches, feet
12 to 18	6	24 to 30	7.0
18 to 24	6.5	30 to 36	7.5

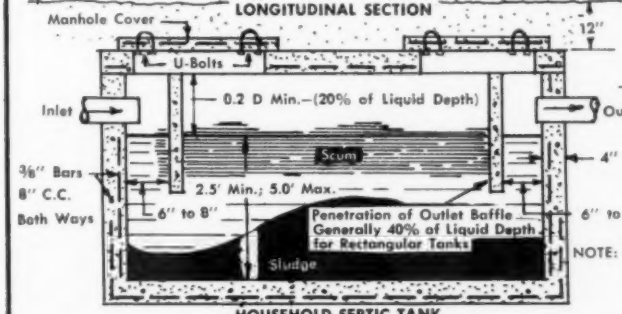


LONGITUDINAL SECTION

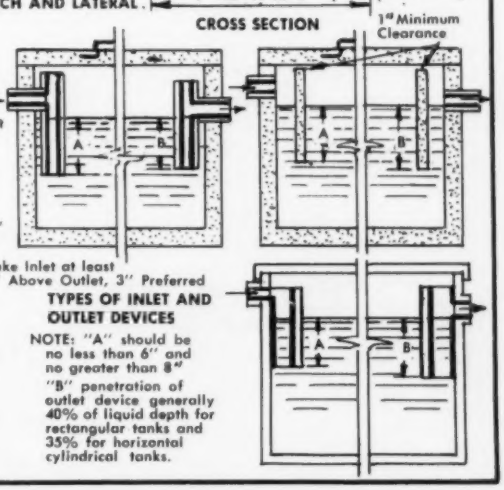


ABSORPTION-TRENCH AND LATERAL

CROSS SECTION



HOUSEHOLD SEPTIC TANK



NOTE: Make Inlet at least 1" Above Outlet, 3" Preferred

TYPES OF INLET AND OUTLET DEVICES

NOTE: "A" should be no less than 6" and no greater than 8"

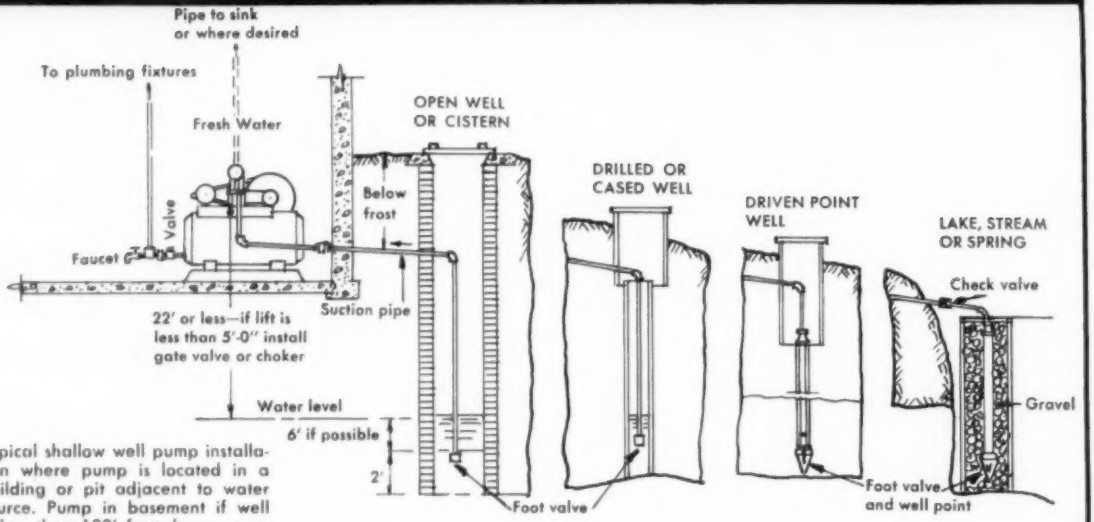
"B" penetration of outlet device generally 40% of liquid depth for rectangular tanks and 35% for horizontal cylindrical tanks.

Number of bedrooms	Recommended minimum tank capacity	Equivalent capacity per bedroom
2 or less	750	375
3	900	300
4	1,000	250

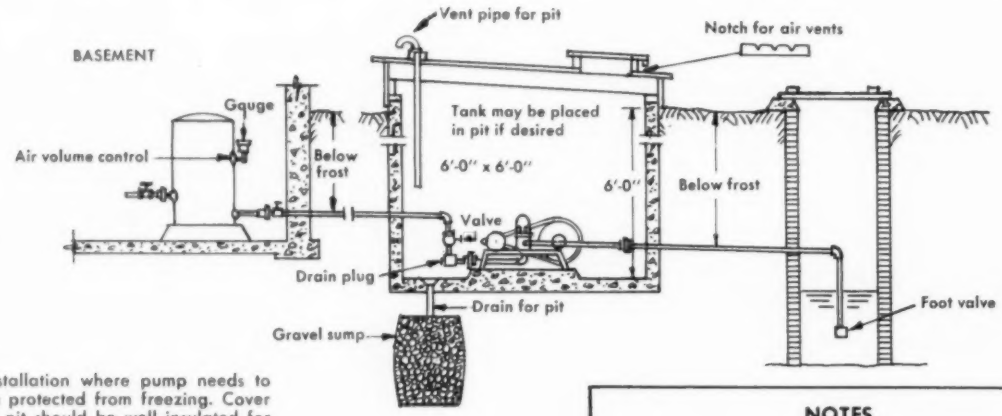
11

PLUMBING, WATER SUPPLY

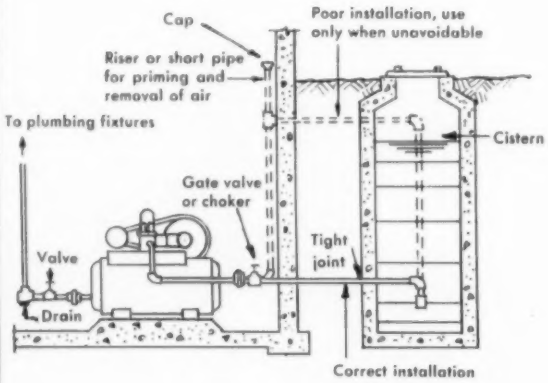
Well Pump Data



Typical shallow well pump installation where pump is located in a building or pit adjacent to water source. Pump in basement if well is less than 100′ from house; over well if over 100′ from house.



Installation where pump needs to be protected from freezing. Cover of pit should be well insulated for added protection.



NOTES

Because of atmospheric pressure, a shallow well pump will only operate to a depth of 22′. Beyond that, a deep well pump must be installed. Three types of pumps are used today for either deep or shallow well systems. They are: reciprocating, centrifugal and centrifugal-jet. A reciprocating pump operates by means of a piston and cylinder, much like the cylinder in an automobile. On the forward stroke a check valve opens, forcing water into the cylinder. On the reverse stroke, the check valve closes, forcing the water collected in the cylinder through the pipe and into the storage tank. A centrifugal pump operates with an impeller, a wheel that doesn't look like but works much like a boat propeller. This wheel spins the water, increasing its velocity and pressure. The water spirals up into a casing of decreasing diameter that further increases the water's pressure. As this action is continued, the water is forced through the pipe and into the storage tank. The Centrifugal-Jet Pump sends a stream of water through a small-diameter nozzle into a Venturi tube, which increases its pressure. From this point, the water is swept up into the centrifugal pump, and on to the storage tank. The details of well installation which are shown here are for purposes of illustration only. Consult your State Dept. of Public Health and your local building codes for exact specifications.

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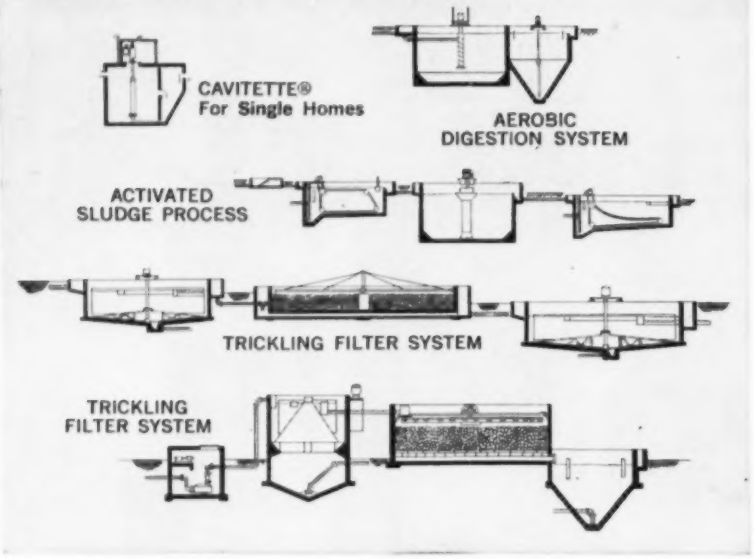

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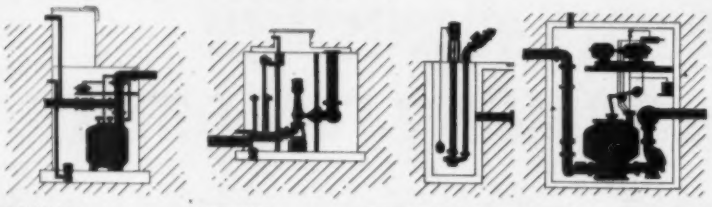

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(Continued from page 224)

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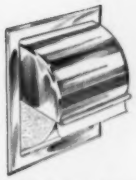
(Continued on page 240)



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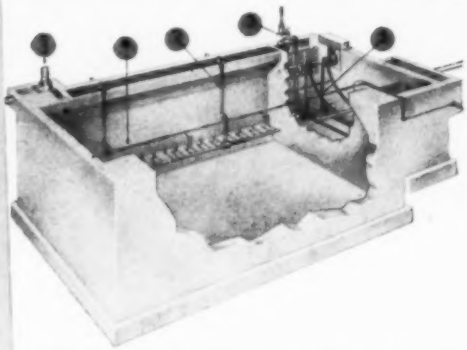

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(Continued on page 246)

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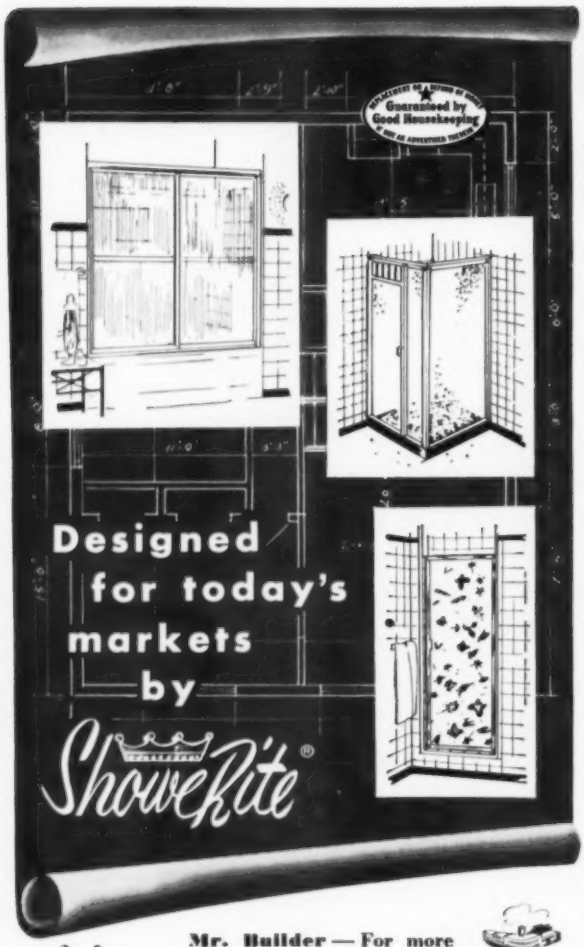

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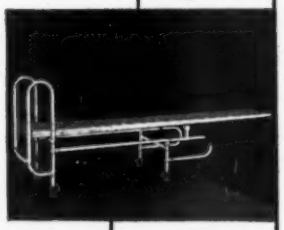

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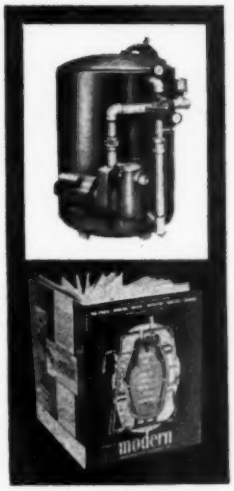

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So, if you're looking for bathroom beauty that gives your homes the mark of quality—look to BRIGGS BEAUTYWARE.

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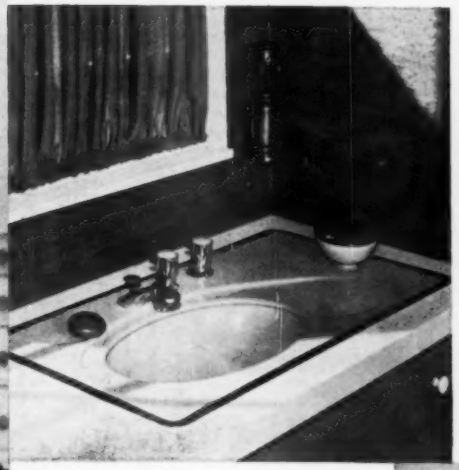
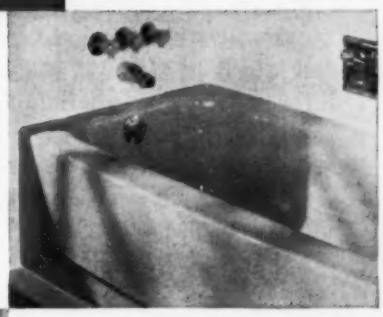


THE CHAUCER vitreous china lavatory is smartly styled with oval off-center bowl for abundant counter space, has anti-splash rim and cast-in soap impression and features unique spray spout. Completely flexible, it may be installed in a countertop, vanity or placed on legs.



THE MEDALLION porcelain enamel bathtub boasts full-length seat, slip-resistant bottom and recessed toe panel. Has seam-free one-piece construction, leakproof wall flange and H-framework that installs without blocks, shims or extra support.

THE KING water closet in vitreous china is wall hung for easy cleaning beneath, eliminates dirt-catching cracks and crevices and hard-to-get-at space between wall and fixture.

(Continued from page 240)

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RED-I-CUT Carborundum Co
RED-I-POST Sawhill Tubular Prods Inc
RED LABEL Johnson's Wax
REDI-RAIL Tennessee Fabricating Co
RED SILO-CHAMP Ludlow Papers Inc
RED STRIPE Pittsburgh Plate Glass Co
RED TAG Cyclone Fence Dept
RED TANG Simonds Saw & Steel Co
RED TOP Keystone Steel & Wire Co
RED TOP United States Gypsum Co
REDUCIT O'Brien Corp
RED WARRIOR True Temper Corp
RED WING Pittsburgh Plate Glass Co
REFLECTASHIELD Am Asbestos Product
REFLECT-O-RAY Appleton Coated Paper
REFRACT-O-CRETE Acme Brick Co
REFRIG-A-BAR Acme Natl Refrig Co
REFRIGERATED-KOOLER-AIRE United States Air Conditioning Corporation
REGAL Athens Stove Works Inc
REGAL Johns-Manville Corp
REGAL DRESSATORY Regal Laminates
REGULUX Regulux Sash & Door Co
REGENCY Air Control Products Inc
REHCO Chicago Spring Hinge Co
REHCO (Shower Units) Rehco Corp
RELCO Slant-Fin Radiator Corp
RELIABLE Ajax Building Bracket Co
RELIABLE Allith-Prouty Inc
RELIABLE Richbilt Manufacturing Co
RELIANCE Chicago Spring Hinge Co
RELY-ON Dicks Armstrong Pontius Inc
REMCON Remcon Div Pyramid Inst Corp
REMINGTON Remington Alum Window
REMUVIT Farley & Loetscher Mfg Co
RESINIZED SPEED-GRITS Behr-Manning Company
RESURFO Reardon Co
RETARDO Moore Benjamin & Co
RE-3 Wilbur & Williams Co
REVALON Revere Copper & Brass Inc
REVALUM Revere Copper & Brass Inc
REV-A-SHELF Lake Drive Prod Co Inc
REV-FLO Sequoia Manufacturing Co
REVO-FILE Mosler Safe Co
REV MASONRY Marietta Paint & Color
REVOLVO Frick-Gallagher Mfg Co Inc
REX Air Controls Inc
REX Chain Belt Co
REX (Heater) Cleveland Heater Co
REXALUM Consolidated Gen Prod Inc

(Continued on page 268)

FOR THE FINEST PROTECTION
PROTECTUB
is the *BRAND* to remember

for preventing damage after installation

IT'S NEW! ALUMACOAT

A TOUGH FLEXIBLE AND STRIPPABLE FILM

Protect ALUMINUM SASH AND WINDOWS FROM PAINT AND PLASTER DURING CONSTRUCTION. ALSO METALS • DIES • TOOLS • MOLDS • GLASS-CERAMICS • TILES • MARBLE . . . wherever heavy equipment or material must be protected against corrosion, chemicals, chemical fumes, or abrasion — use ALUMACOAT!

COATATUB
Liquid vinyl plastic coat applied with ordinary white wash brush, dries to strong flexible film, peels off. Use thinner to clean brush after applying paint.
Note: one gal. can covers 4-5 tubs.

ALUMACOAT coating is stable, strips cleanly and can be easily applied by conventional industrial spray or painting methods to objects of any size.

PROTECTUB
deluxe cover—made of thick corrugated boxboard with exclusively processed water repellent top liner. Custom made to fit your individual tub. Installs in minutes with no expensive cleaning after tiling.

write Dept. ABG
PROTECTUB INC. 93 Seigel St., Brooklyn 6, N. Y.

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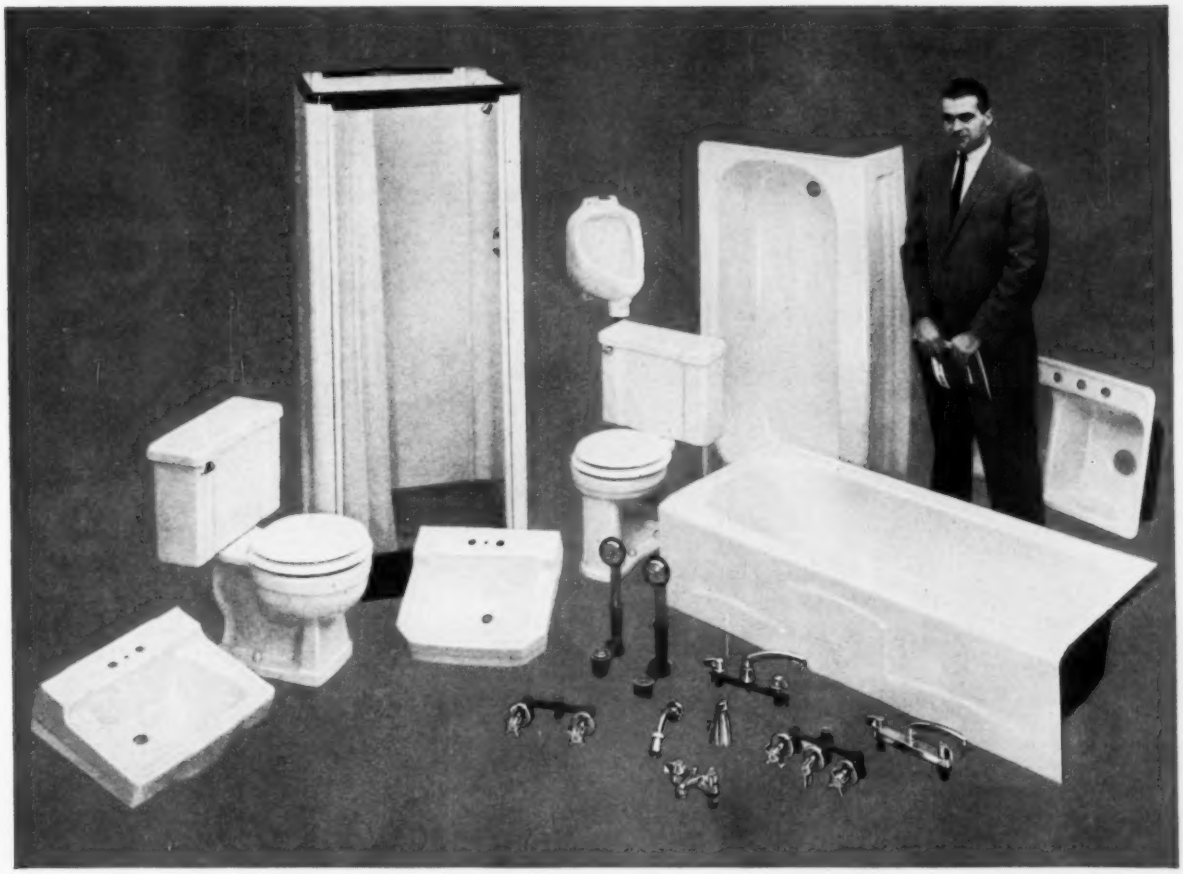

Gerber gives you all the advantages of the widest plumbing fixture lines . . . and **MORE**

Gerber specializes in plumbing fixtures for homes in the $9,000 to $25,000 price range — the Mighty Middle mass market which includes 9 out of 10 homes built today.

By concentrating on a complete line for this market *only*, production and marketing economies are passed on to builders in the form of deluxe features normally found only in more expensive lines.

Compare Gerber's sensible prices and quality features with those of any equivalent line produced by any other manufacturer, and you'll see that with Gerber you supply a better bathroom for less. You can order complete packaged bathrooms in white or six modern colors — Petal Pink, Wedgewood Blue, Forest Green, Driftwood Tan, Daffodil Yellow, Cloud Gray.

Gerber plumbing fixtures are nationally advertised and have smart styling to assure home buyer acceptance. They are the only bathroom fixtures with the Good Housekeeping Guarantee Seal. Gerber fixtures have many exclusive features to make installation fast and easy. Gerber also offers sales and merchandising aids and special services to help sell Gerber bathrooms and the homes in which they are installed.

Guaranteed by Good Housekeeping

See our condensed catalog in Sweet's, or write for your copy of Gerber's 94-page full line catalog.

SEE OUR CATALOG IN SWEET'S

"Plumbing Fixtures for the Mighty Middle" • Gerber Plumbing Fixtures Corp., 232 N. Clark St., Chicago, Illinois

GERBER

* THE NAME ORANGEBURG AND THE SILVER BAND ARE REGISTERED TRADE-MARKS OF THE ORANGEBURG MANUFACTURING CO.

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Make sure *your* homes feature *genuine* Orangeburg quality. It helps make the sale easier. Means more satisfied customers. So look for the Silver Band to be sure you're getting *genuine* Orangeburg: *Root-Proof* Pipe for sewer lines from house to street; for run-offs from downspouts...*Perforated* Pipe for foundation drains, septic tank filter beds. Over 300 million feet in use from coast to coast. It's the Brand your customers know. Write for *"Tips for Installing,"* Dept. AB-40, Orangeburg Manufacturing Co., Orangeburg, N. Y.

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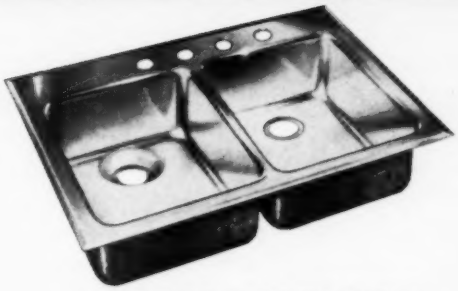
ORANGEBURG MANUFACTURING CO.
Division of The Flintkote Company, Manufacturer of America's Broadest Line of Building Products

genuine ORANGEBURG®
Root-Proof Pipe and Fittings

The New *Carlrim* * Disposer Bowl

—teams up to perfection with any waste disposer!

*Carlrim Vegi-Prep Model DS-832 LDB illustrated below.



Most Popular of All Sink Designs —Now Available with Disposer Bowl

Model 832 LDB shown above with disposer bowl at left has Carlton's famous sparkle finish, which actually improves with use! Bowls are 14 by 16 inches, by seven inches deep, allowing for at least a gallon more water capacity in each bowl. The Carlrim self-rim feature makes installation quicker and easier; and much more sanitary.

When your kitchen specifications call for a garbage disposer (and what modern specifications do not?), you owe it to your customers to specify the new Carlrim Stainless Steel Sink with Disposer Bowl. Here, at last, is the sink design every disposer manufacturer has been looking for—the design that has been painstakingly developed to enable disposers to achieve their peak rated efficiency. Look at the handsome Vegi-Prep Model shown above. Notice how the drain outlets have been moved to the rear to permit more working space for food preparation. See how the disposer intake has been cleverly recessed to accommodate accumulated waste. And above all, don't overlook the heavy rubberized undercoating that hushes sink clatter and reduces disposer vibration. All Carlrim Sinks are guaranteed never to wear out—never to chip, crack or peel—and no separate sink frame is required for installation! Disposer Bowls are available on the right or left. Ask your wholesaler to show you this new design, or write today for Catalog No. 860 to Sink Division, Carrollton Manufacturing Company, Carrollton, Ohio.

You just can't buy better—when you buy...

CARLTON STAINLESS STEEL SINKS

BUILDER SPECIFIED for greater home sales

NEW *LUXURY BRASS* FITTINGS
Sparkling new brushed chrome fittings with plastic prism handles add beauty to any bath . . . another popular new salesmaker from Eljer.

"Attractive appearance . . . choice of colors . . . choice of genuine, hand-rubbed wood cabinets . . . ample storage area . . ." These were some of the features specified by builders throughout the country when we asked them what they wanted most in a completely new, first-quality lavatory.

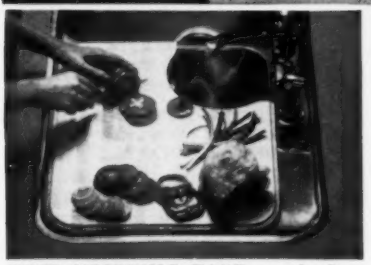
You will find all these features (and many more) in this beautiful new *Brent* lavatory-cabinet combination. That's why we call it *builder specified* . . . it was designed for *you*—to help sell more of *your* homes. Send today for complete specifications.

ELJER
Division of The Murray Corporation of America
Three Gateway Center, Pittsburgh 22, Pa.

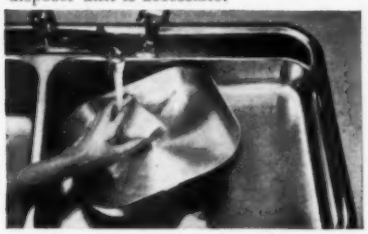
1,850,000 CONSUMERS WILL SEE THIS AD!
More than 1,850,000 prospective homeowners will be presold on the new *Brent* lavatory and *Luxury Brass* fittings when they see this full-page, four-color ad appearing in current issues of leading consumer magazines.

THE SINK WITH PROVED SALES APPEAL...

Lyoncraft Disposo-Well®



NEW CHOPPING EASE—maple Cutting Board fits over disposer well, yet disposer unit is accessible.



EXTRA WASHING ROOM—roomy disposer sink speeds cleaning of large fry pans, bulky roasters, platters, griddles.

The sink with many followers, but no equal—Lyoncraft Disposo-Well is the first sink engineered just for garbage disposer units, and a sales winner proved in thousands of homes! Still most efficient: the in-corner positioning of the disposer for more unbroken work room. Stack dishes, fix food, and the disposer remains uncovered for instant use. Also catching the eye: the Redi-Rim® feature with rim and sink a single unit to eliminate crumb-catching crevices. And Disposo-Wells, made of finest nickel stainless, range from the single-bowl size, through the 32"x21" double-bowl, to the roomy 45"x21" double-bowl model. For full specifications on the first and finest sink made for disposer units, send for the new Lyoncraft catalog at the address below.

World's largest fabricator of nickel stainless steel

Lyoncraft

LYON STAINLESS PRODUCTS
DIVISION OF LYON INC.
13881 W. Chicago Boulevard
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AUTOMOBILE WHEEL COVERS • PRESTIGE TABLEWARE • KITCHEN SINKS • HOUSEWARES

private homes, inc. INSTALLS *Hydronic** HEATING IN OVER ONE HUNDRED HOMES

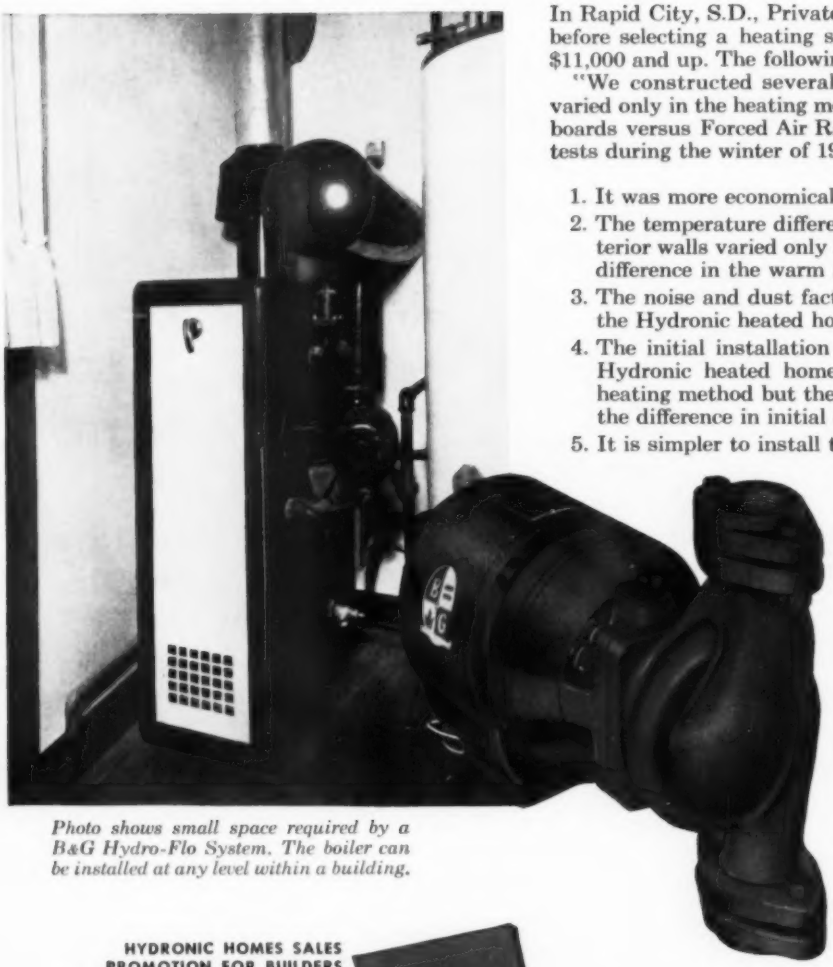


Photo shows small space required by a B&G Hydro-Flo System. The boiler can be installed at any level within a building.

In Rapid City, S.D., Private Homes, Inc., made careful tests before selecting a heating system for their homes, priced at $11,000 and up. The following results are reported:

"We constructed several pilot-model houses wherein we varied only in the heating method—Hydronic Heat with baseboards versus Forced Air Radial Heat. We conducted various tests during the winter of 1958-1959 and concluded:

1. It was more economical to heat with Hydronic Heat.
2. The temperature difference between floor, ceiling and exterior walls varied only 3-4 degrees while the temperature difference in the warm air heated home was 7-9 degrees.
3. The noise and dust factors were considerably reduced in the Hydronic heated home.
4. The initial installation cost is somewhat higher for the Hydronic heated home as compared to the forced air heating method but the benefits the buyer receives make the difference in initial cost seem insignificant.
5. It is simpler to install the Hydronic system.

"We have subsequently installed Hydronic Heat in over 100 of our new homes during the 1959 building year. We feel that the buyer receives more for his money with Hydronic heat."

B&G BOOSTER...key unit of the B&G *Hydro-Flo* System

Engineered for compactness, *silent* operation and years of service, this electric pump circulates boiler water for heating the house. It is built with precision manufacturing methods which translate good design into superior product.

The B&G Booster has a solid reputation for *quiet*, dependable and long-lived operation. That's why over three million units have been sold to date!

HYDRONIC HOMES SALES PROMOTION FOR BUILDERS

A comprehensive program of ideas and sale helps for utilizing the outstanding and exclusive advantages of hydronic* heating. Every builder should see this presentation—there's no obligation in getting the facts. Write, phone or wire today.

Hydro-Flo® SYSTEM

BELL & GOSSETT COMPANY

Dept. GD-11, Morton Grove, Illinois

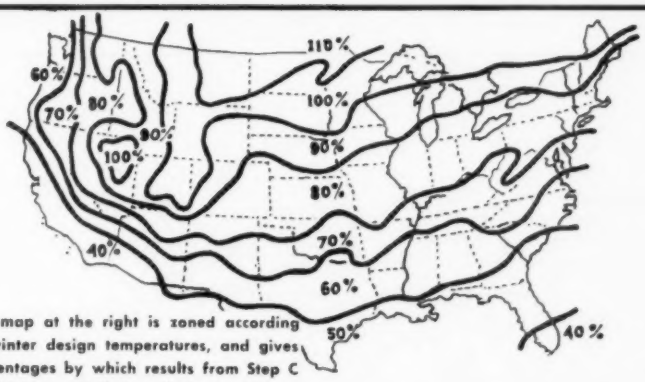
Canadian Licensee: S. A. Armstrong, Ltd., 1400 O'Connor Drive, Toronto 16, Ontario

**Modern hot water heating.*

"CONDENSED METHOD" HEAT LOSS FACTORS*

1.	**WINDOWS & DOORS**	Multiply sq. ft. by:
a.	Without storm sash	113
b.	With storm sash	75
c.	Double ¼" glass with ½" sealed air space between	55
2.	**OUTSIDE WALLS (NET)**	Multiply sq. ft. by:
a.	SOLID MASONRY—(Brick, stone, etc.) with plaster applied direct to inside surface of masonry wall.	45
b.	AVG. FRAME—Brick Veneer—Wood Siding—Shingles or Stucco—with sheathing, bldg. paper, studs, lath and plaster	30
c.	FURRED MASONRY—(Same as 2a with air space between plaster and masonry wall)	
d.	INSULATED FRAME—Same as 2b—with 1" or less insulation board or blanket	20
e.	HEAVILY INSULATED—Same as 2b with 2" or more insulation	10
3.	**CEILINGS & INSIDE WALLS**	Multiply sq. ft. by:
a.	CEILING—Plaster on lath or wall-board. No floor above—Attic not vented	34
b.	Same as 3a—with 2" or more insulation and ventilated attic	12
c.	CEILING of first floor room below unheated room on second floor	17
d.	INSIDE WALL adjacent unheated room	
4.	**FLOORS**	Multiply sq. ft. by:
a.	Double wood floor—over cool basement or other enclosed space	15
b.	Same as 4a—but open space below floor exposed to outside	32
c.	Concrete floor—Directly on ground. No edge insulation	10
5.	**INFILTRATION (AIR LEAKAGE)**	Multiply each sq. ft. of window and door area by:
a.	WINDOWS AND DOORS. Average fit—Not weatherstripped	50
b.	Average fit—weatherstripped (or equipped with storm sash)	30
c.	Poor fit—not weatherstripped	140
d.	Poor fit—Weatherstripped (or equipped with storm sash)	43
e.	EXTRA FOR EACH OUTSIDE DOOR	1000
f.	EXTRA for air lost up fireplace flue	3000

***Above factors are approximate heat loss through each sq. ft. of surface with 70° inside and —30° outside.**



The map at the right is zoned according to winter design temperatures, and gives percentages by which results from Step C should be multiplied to find actual heating requirements for the locality.

Courtesy: The Coleman Company

HOW TO USE THE CONDENSED METHOD HEAT LOSS FACTORS

Quantities of heat are measured in units called British Thermal Units (abbreviated BTU).

Heat is lost from a warm building through all of its surfaces exposed to lower temperature. This is called "transmission losses." Heat is also lost due to wind blowing through cracks around windows and doors. This is called "infiltration losses." Total heat loss of a building is the sum of transmission losses plus infiltration losses.

A The first step is to find how much heat is lost by transmission. Calculate the areas in square feet of all exposed surfaces of the room or building including:

1. Window and outside door area (combined).
2. Net outside wall (gross wall area minus item 1).
3. Ceiling area (below unheated room or attic space). Inside walls adjacent unheated rooms.
4. Floor area (if space below floor is not heated).

Each of the above areas should then be multiplied by the proper factor from one of the Condensed Method tables.

B Next, estimate infiltration losses. This depends on the amount of cold air blown into the house, which is in turn dependent on the size of the window or door and the width of the crack around it. Simply multiply the area of windows and doors already calculated in Step A by the infiltration factor selected from Table 5. Also, since there is more air leakage through door cracks than through window cracks, allow an additional 1000 BTU for each outside door. Add 3000 BTU for each fireplace.

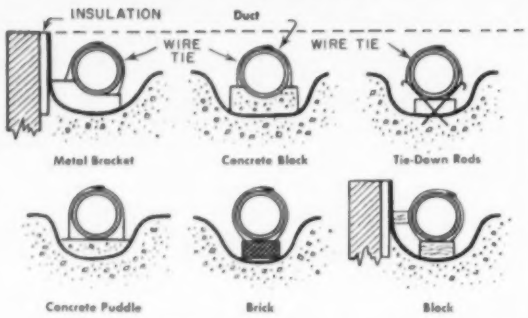
C Add the infiltration losses (Step B) and the transmission losses through the windows, walls, etc. (Step A) all together. The sum is the heat that would be lost from the room or building — if the temperature difference between inside and outside were 100°. In other words, this is the amount of heat it takes to maintain 70° inside when the outside temperature is 30° below zero, which would occur only in the very coldest sections of the United States.

D Heating requirements are naturally less where the weather does not get so cold. The average minimum temperature in Dallas, Texas, for example, is only 10° above zero. The "design temperature difference" between inside and outside would be 70° minus 10° equals 60°. Therefore, the heating requirement is only 60/100 or 60% of the amount based on 100° TD.

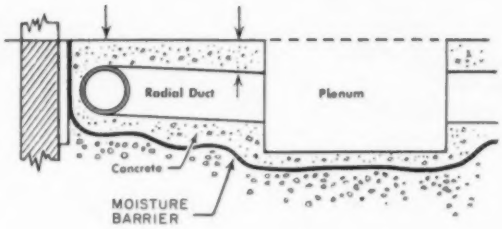
HEATING, COOLING, VENTILATION

Design Data for Perimeter Heating

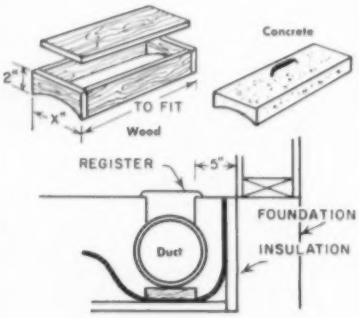
METHODS OF ANCHORING DUCTS



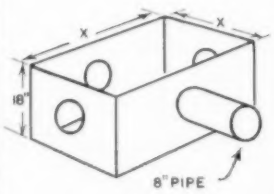
PLENUM AND DUCT INSTALLATION



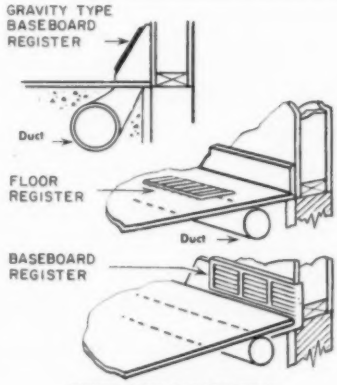
REGISTER OUTLET FORMS



REGISTER LOCATION



PLENUM CONSTRUCTION



REGISTER TYPES AND LOCATIONS

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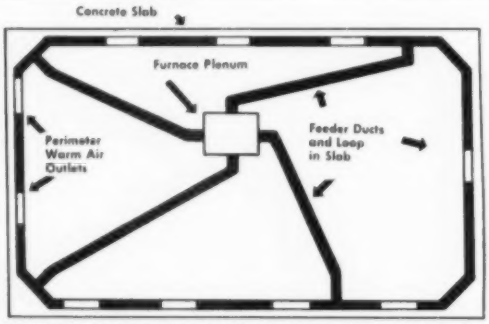
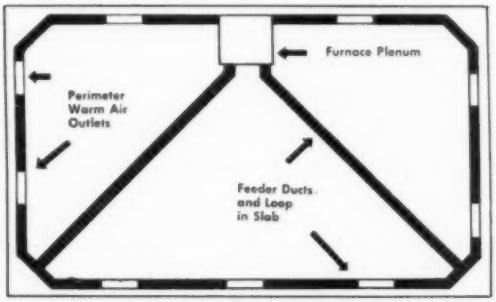
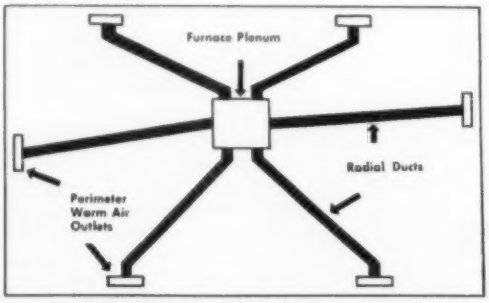


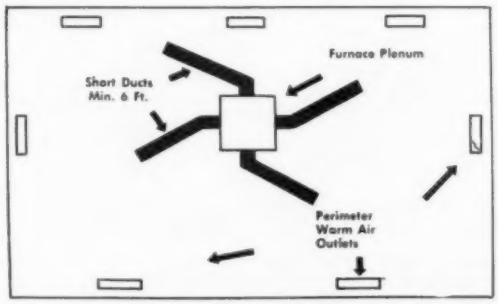
PERIMETER LOOP SYSTEM WITH FEEDER AND LOOP DUCTS IN CONCRETE SLAB



PERIMETER LOOP SYSTEM WITH FURNACE OVER LOOP

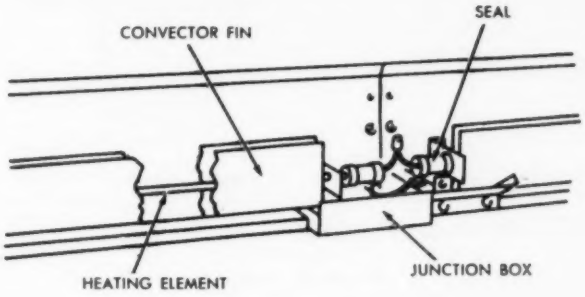


PERIMETER RADIAL SYSTEM WITH FEEDER DUCTS IN CONCRETE SLAB OR CRAWL SPACE

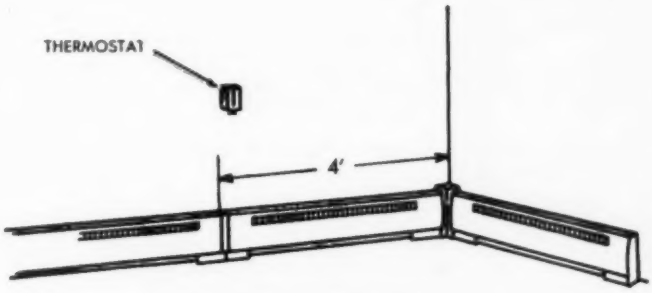


CRAWL SPACE PLENUM SYSTEM

BASEBOARD ELECTRIC HEATING



CONNECTION BETWEEN PANELS



TYPICAL INSTALLATION

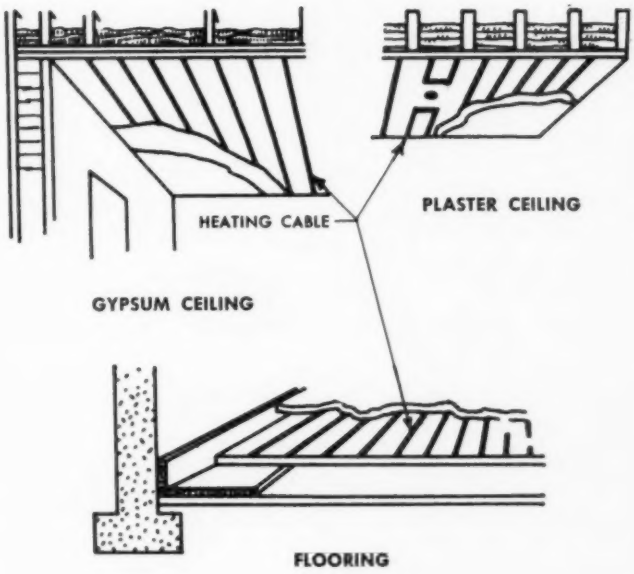
Baseboard-electric heating is basically the same as hot-water baseboard heating. The difference lies in the use of a resistance heating element in place of a hot-water convector.

A heating rod of the same type as used in a cooking range runs the length of the baseboard panel. Convector fins are added to increase the heat transfer area. The heating element operates at "black heat" (it cannot climb above 150 degrees fahrenheit), so it cannot cause injury.

Baseboard panels heat approximately 50 per cent by convection and 50 per cent by radiation. They are controlled by individual room thermostats. Heat is almost instantaneous upon demand.

Courtesy: Hotpoint, Inc.

RADIANT ELECTRIC HEATING BY CABLE



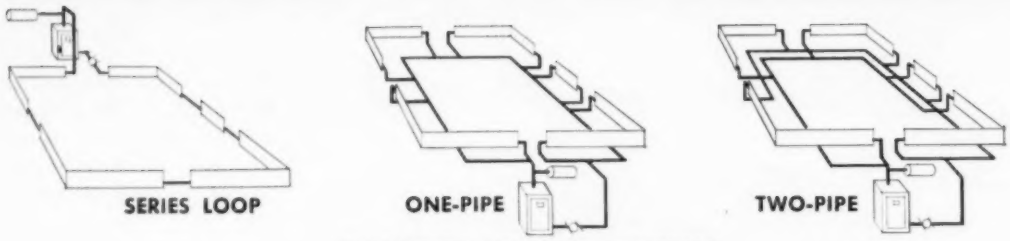
Electric-resistance heating of a home can also be accomplished by means of radiant cables. These are flexible resistance cables buried in the ceiling, floor or walls.

They differ from baseboard-electric heat in that virtually all of their heating is by radiation.

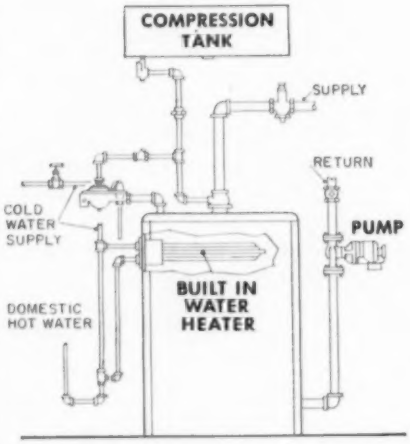
Most common area for radiant-heat cables is in the ceiling. Cables are stapled to either lath (if ceiling is plaster), or gypsum board. Then either the plaster or an additional layer of gypsum board is put over the cable, as shown in the drawings.

The amount of cable required will depend upon the design of the house and its geographical location. Control is by individual room thermostats.

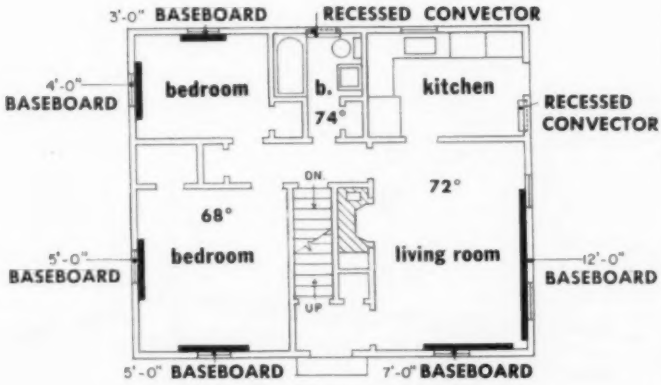
Courtesy: Ceilheat, Inc.



PERIMETER HEATING SYSTEMS



BOILER WITH BUILT-IN DOMESTIC HOT WATER HEATER



ZONED HOT WATER HEATING

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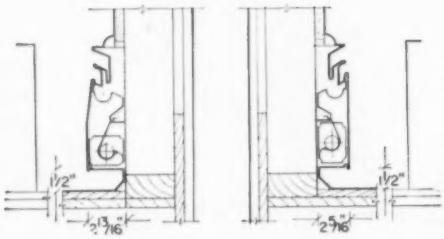
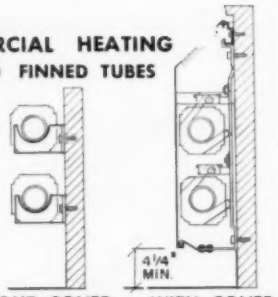
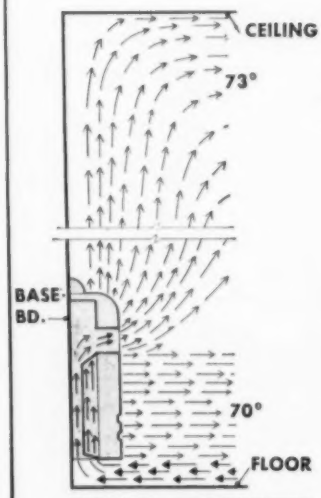
BASEBOARD PANELS
FINNED TUBE



COMMERCIAL HEATING
TIERED FINNED TUBES

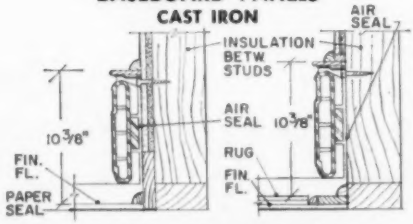


WITHOUT COVER WITH COVER



RADIANT + CONVECTED HEAT = 3° DIFFERENCE BETWEEN FLOOR AND CEILING

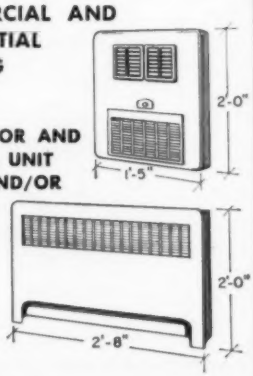
BASEBOARD PANELS
CAST IRON



RECESSED OR NON-RECESSED FOR USE WITH WALL-TO-WALL CARPETING (BOTH ABOVE TYPES)

COMMERCIAL AND RESIDENTIAL HEATING

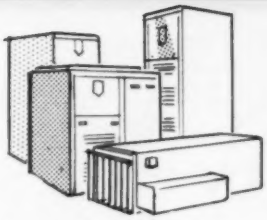
CONVECTOR AND FAN-COIL UNIT HEATS AND/OR COOLS



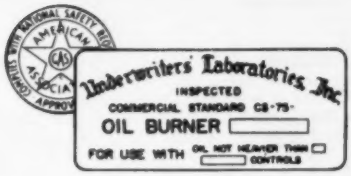
Courtesy: Better Heating-Cooling Council

HEATING, COOLING, VENTILATION

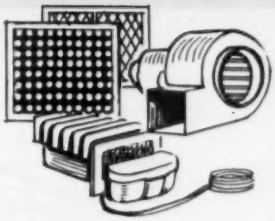
Forced Warm Air Heating



Type of furnace—high boy, low boy, counterflow, or horizontal—depends upon location, space available, and type of system.



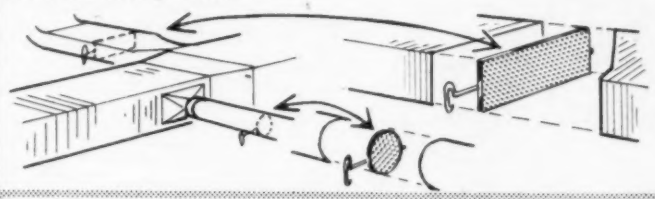
Choose labeled furnace for safety and good performance.

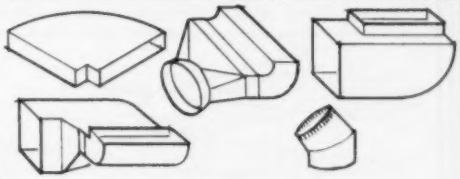


True comfort requires filtered, humidified air circulated gently and evenly.

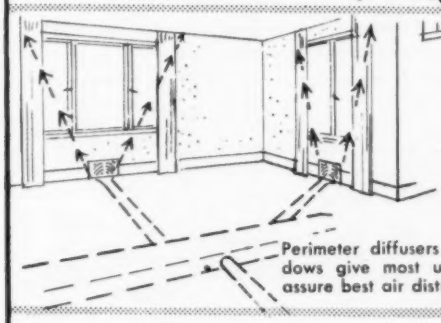
Duct system of engineered design required. Must be installed in accordance with design and proper clearances in accordance with applicable codes.

Install balancing damper in each branch duct. Final adjustment and owner comfort depends on it.

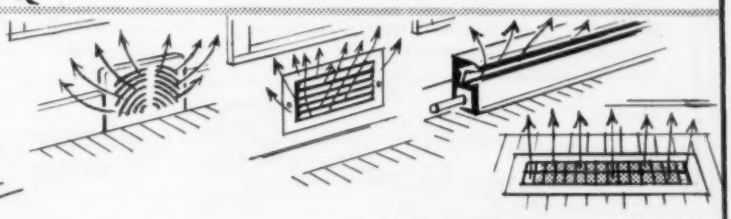




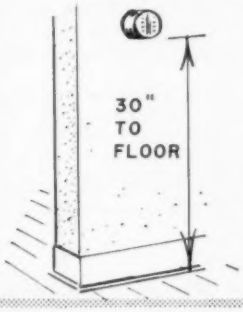
Streamlined fittings needed for free-flowing system. Flexible connectors between furnace and duct system prevent vibration transmission.



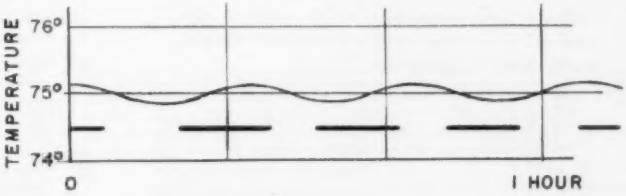
Perimeter diffusers located under windows give most uniform comfort and assure best air distribution.



Air from perimeter diffusers should fan upward in front of windows. Diffusers may be in floor, baseboard, or low sidewall location.

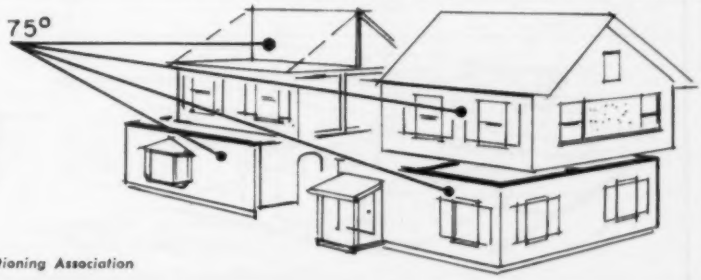


Locate thermostat approximately 30-in. from floor. This is "sitting level" at which occupants are most sensitive to air temperature.



Choose sensitive thermostat which will give frequent, short burner cycle for even room temperature.

System must be balanced and adjusted to obtain uniform temperatures throughout every room of the house. Comfort Air Circulation adjustment also provides almost constant blower operation necessary for best balance and continuous, gentle air motion.



Courtesy: National Warm Air Heating and Air Conditioning Association

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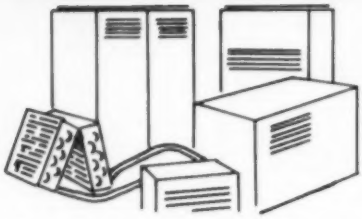
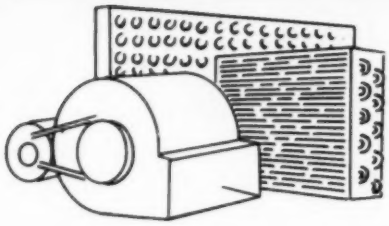
HEATING, COOLING, VENTILATION

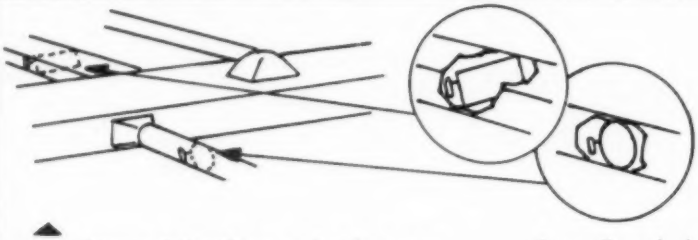
Air Conditioning Systems: Types and Requirements



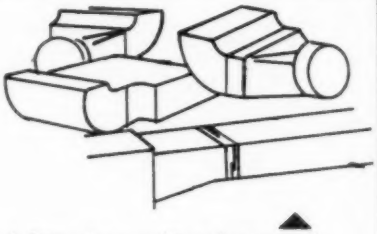
Types of cooling units—unitary, self-contained companion unit, evaporator with remote condenser unit, or heat pump (both heating and cooling)—any of these can be air cooled or water cooled. Select type to fit space and availability of water.



Comfort cooling requires gentle, even circulation of filtered, cooled, and dehumidified air. Fan and filter may be common to both heating and cooling systems.



Same features designed into quality duct system for cooling as for heating. Properly engineered, same duct can be used year-round.



Cover all supply ducts and fittings in unconditioned spaces and return lines through attic spaces with good insulation and vapor barrier. All joints of vapor barriers must be sealed.

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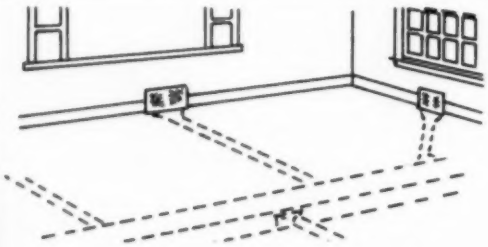
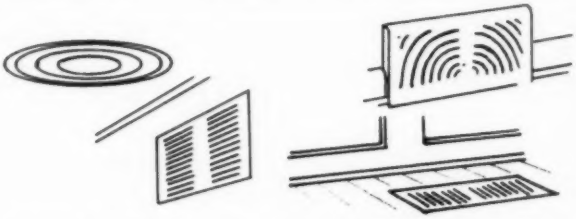
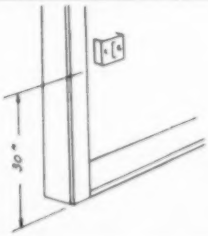


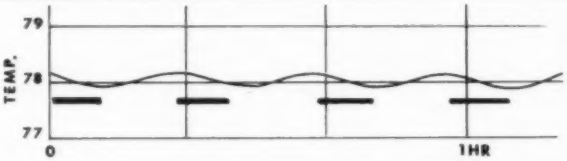
Perimeter diffusers located under windows give most uniform comfort. Locate under every window to assure best air distribution.



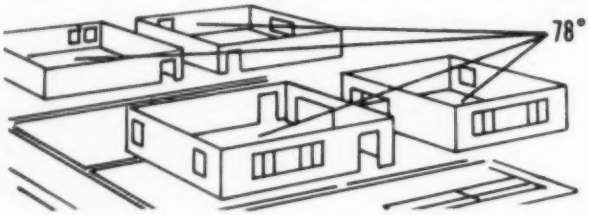
Perimeter diffusers are excellent for year-round use. Ceiling diffusers and high side-wall outlets distributing air horizontally are especially good for cooling. Where cooling is involved, highside-wall returns are particularly desirable.



Reverse acting thermostat is required to control the operation of cooling unit. A second thermostat located adjacent to heating thermostat or a combination thermostat may be used for year-round control.



Sensitive thermostat with close differential is desirable for shorter "off-periods." Setting is usually made somewhat higher than heating (77° to 80°).



System must be balanced and adjusted in order to obtain uniform temperatures throughout every room of the house. Comfort Air Circulation adjustment also provides almost constant blower operation necessary for best balance and continuous, gentle air motion.

Courtesy: National Warm Air Heating and Air Conditioning Assoc.

Orientation*

1. Sun exposure very brief, if any.
2. Little sunshading needed.
3. Overhang can be minimum.

1. Sun exposure is short and intensity is partly relieved by cool air.
2. Overhang and reflective screens ineffective.
3. Low trees or hill give valuable shade.

Solutions (in order of effectiveness)

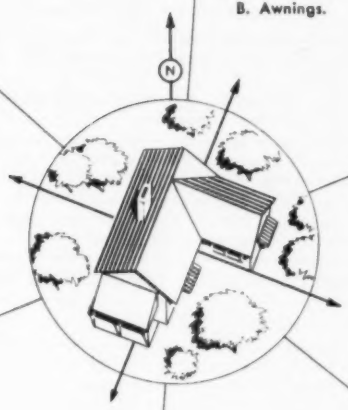
A. Sunshading by walls, trellis, lattice, high fences, low trees, etc.

B. Awnings.

1. Sun exposure is short but intensified by high air temperature and low angle.

Solutions (in order of effectiveness)

A. Sunshading by walls, trellis, lattice, high fences, low trees, etc.,
B. Porch or veranda.
C. Attached carport or garage.
D. Awnings.
E. Minimum Glass Area.



1. Sun exposure is sustained and intense.
2. Both tall and medium trees are needed for shade.

Solutions (in order of effectiveness)

A. Porch or veranda.
B. Awnings.
C. Reflective screens.
D. Recommended overhang.

1. Sun exposure is sustained and intensified by day's hottest air.

2. Both tall and medium trees needed for shade.

Solutions (in order of effectiveness)

A. Attached carport or garage.
B. Porch or veranda.
C. Glass area fully shaded.
D. Storage cabinets in wall.
E. Awnings or reflective screening.
F. Avoid slab reflecting heat against wall.

1. Sun is almost overhead and wall absorption is moderate.
2. Exposure is sustained and intense.

Solutions (in order of effectiveness)

A. Recommended overhang.
B. Reflective screens.
C. Large glass area (if used) under recommended overhang.
D. Awnings.
E. Avoid slabs reflecting heat against wall.

*Since "ideal orientation" can seldom be attained in project planning, it is necessary to minimize the heat gain through the use of sun-shading devices. Orient your house plan in circle. Locate center of house in center of circle. Draw line from center perpendicular to each wall of house and extend line beyond circumference of circle (see example). Read recommended wall treatment and sunshading in the quadrant that each wall faces. Naturally, these suggested sunshading devices apply whether or not you plan to install air conditioning (cooling) equipment.

Recommended Roof Overhang*

Latitude	Height of Eaves Above Window Sill													
	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"
25°.....	9	12	14	16	18	21	23	25	27	30	32	34	37	39
30°.....	12	15	18	21	24	27	30	33	36	39	42	45	48	51
35°.....	14	18	22	25	29	32	36	40	43	47	50	54	58	61
40°.....	17	22	26	30	35	39	43	37	52	56	60	65	69	73
45°.....	20	25	31	36	41	46	51	56	61	66	71	76	82	87
50°.....	25	31	37	43	50	56	62	68	74	80	87	93	99	105

*Dimensions below staggered line generally not practical as an overhang unless used as porch due to added cost and structural problems. Figures apply to wall facing south.

Data from National Association of Home Builders

NOTE: Space prevents the publishing of cooling load calculator charts. However, several "short methods" of computing cooling loads are available. For one, write to Carrier Corp., Syracuse 1, N. Y.; ask for Residential Cooling and Heating Load Calculator (price: $2.00). For another, write to Aluminum Co. of America, Alcoa Bldg., Pittsburgh 19, Pa.; ask for publication "Comfort Everybody Can Afford."

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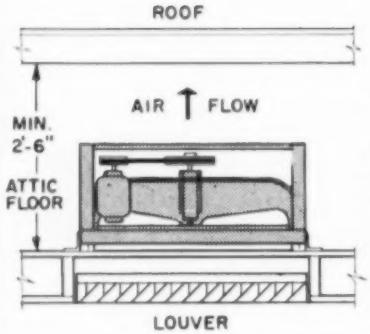

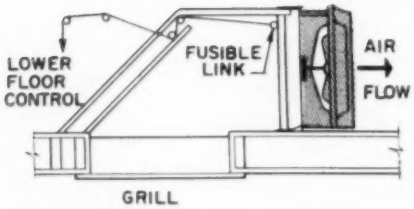

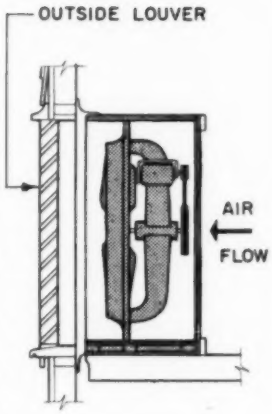

GENERAL INSTALLATION RULES

Where fans are installed to discharge directly to outside they should be located with prevailing winds.

Fans discharging directly into attic should be centrally located if possible.

Flat-roofed buildings without adequate attic space should be provided with a penthouse for fan location. Either vertical or horizontal units may be used.

Provide adequate protection against fire in all installations. Various devices are available to insure fan cut-off and closing of intake louvres.

MINIMUM AREAS FOR DISCHARGE OPENING

TYPE OF OPENING	SQUARE FEET PER 1000 CFM FREE AIR FAN DELIVERY
Wood louvres backed with ½" hardware cloth. 40% minimum free area	2.27 Sq. Ft. per 1000 CFM
Metal louvres backed with ½" hardware cloth. 50% minimum free area	1.82 Sq. Ft. per 1000 CFM
Plain opening covered with ½" hardware cloth. 80% minimum free area	1.14 Sq. Ft. per 1000 CFM
Automatic or manual shutters, 90% minimum free area	1.01 Sq. Ft. per 1000 CFM

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ESTIMATING FAN REQUIREMENTS

The following formula will aid in determining the size of the fan required to adequately ventilate a given area:

$$\frac{\text{*Cu. Ft. Volume of Area}}{\text{**Rate of Air Exchange}} = \text{CFM (Fan Capacity)}$$

*When estimating cubic feet contents, closets and other unoccupied areas may be deducted.

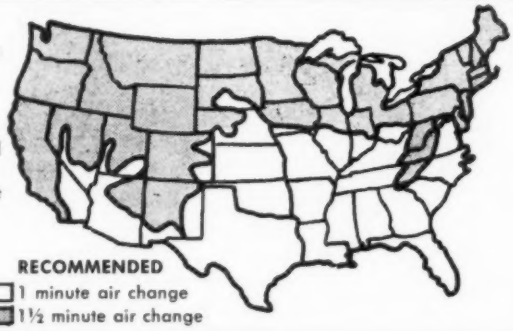
**Select rate of air exchange according to locality from map at the right.

Example:

Volume = 15,000 Cu. Ft.

Desirable air change = 1½ minutes

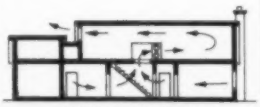
$$\frac{15{,}000}{1.5} = 10{,}000 \text{ CFM (Fan Capacity)}$$



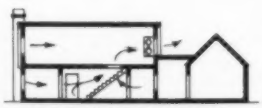
RECOMMENDED
1 minute air change
1½ minute air change

FAN LOCATIONS

SUCTION BOX

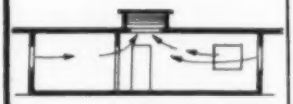


ATTIC STAIRWAY

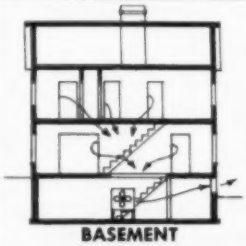


GABLE INSTALLATION

ATTIC WALL

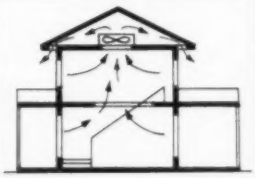


PENTHOUSE



BASEMENT

The installation of attic fans generally follows the three methods shown at top of page. In homes with basements it is sometimes practical, and equally effective, to install the fan in a compartment beneath the basement stairs allowing the discharge to exhaust directly into the basement proper. Intake and discharge louvres should follow the same rules that apply to attic installation. The same precautions should be taken against fire.



VERTICAL DISCHARGE

Relation of Gross Ventilator Area to Net Area

FHA REQUIREMENTS

Provide cross ventilation for each separate space by ventilating openings protected against the entrance of rain and snow.

Ratio of total net free ventilating area to area of ceiling shall not be less than 1/150, except that ratio may be 1/300 provided:

a. A vapor barrier having a transmission rate not exceeding one perm is installed on the warm side of the ceiling; or

b. At least 50 per cent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated (at least 3'-0" above eave or cornice vents) with the balance of the required ventilation provided by eave or cornice vents.

Attic space which is accessible and suitable for future habitable rooms or walled-off storage space shall have at least 50 per cent of the required ventilating area located in the upper part of the ventilated space as near the high point of the roof as practicable and above the probable level of any future ceiling.

FREE AREA VENTILATION GUIDE

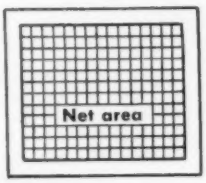
Square inches of ventilation required for attic areas

LENGTH (IN FEET) \ WIDTH (IN FEET)	20	22	24	26	28	30	32	34	36	38	40	42
20	192	211	230	250	269	288	307	326	346	365	384	403
22	211	232	253	275	296	317	338	359	380	401	422	444
24	230	253	276	300	323	346	369	392	415	438	461	484
26	250	275	300	324	349	374	399	424	449	474	499	524
28	269	296	323	349	376	403	430	457	484	511	538	564
30	288	317	346	374	403	432	461	490	518	547	576	605
32	307	338	369	399	430	461	492	522	553	584	614	645
34	326	359	392	424	457	490	522	555	588	620	653	685
36	346	380	415	449	484	518	553	588	622	657	691	726
38	365	401	438	474	511	547	584	620	657	693	730	766
40	384	422	461	499	538	576	614	653	691	730	768	806
42	403	444	484	524	564	605	645	685	726	766	806	847
44	422	465	507	549	591	634	676	718	760	803	845	887
46	442	486	530	574	618	662	707	751	795	839	883	927
48	461	507	553	599	645	691	737	783	829	876	922	968
50	480	528	576	624	672	720	768	816	864	912	960	1008

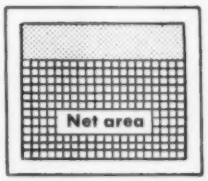
HOW TO USE FREE AREA VENTILATION GUIDE

Using length and width dimensions of each rectangular or square attic space, find one dimension on vertical column, the other dimension on horizontal column. These will intersect at the number of square inches of ventilation required to provide 1/300th.

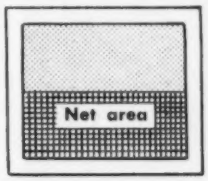
Remember — 1. Include overhang of roof area in measurement of attic areas. 2. At least 50% of the required ventilation must be in the highest part of the roof practicable. 3. Provide cross ventilation for each separate space.



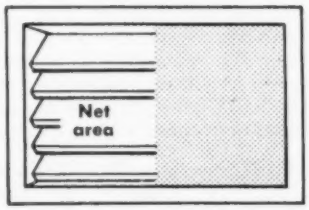
1/4" MESH SCREEN
Gross area = Net area



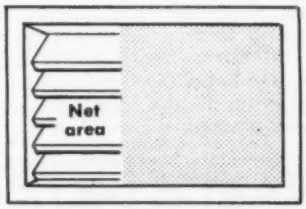
1/8" MESH SCREEN
Gross area = 1.25 × Net area



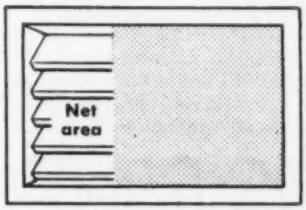
1/16" MESH SCREEN
Gross area = 2 × Net area



LOUVERS WITH 1/4" MESH SCREEN
Gross area = 2 × Net area



LOUVERS WITH 1/8" MESH SCREEN
Gross area = 2.25 × Net area



LOUVERS WITH 1/16" MESH SCREEN
Gross area = 3 × Net area

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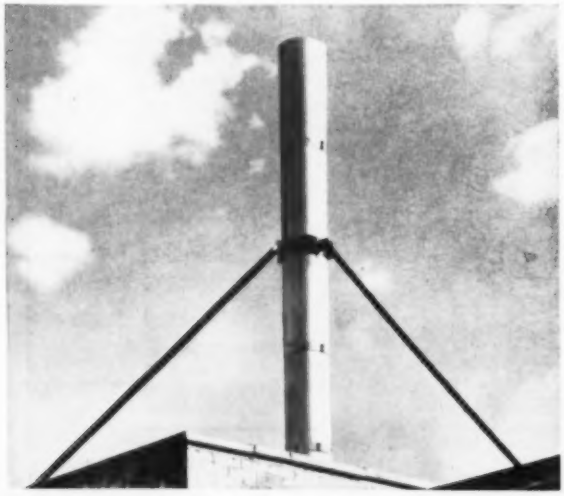
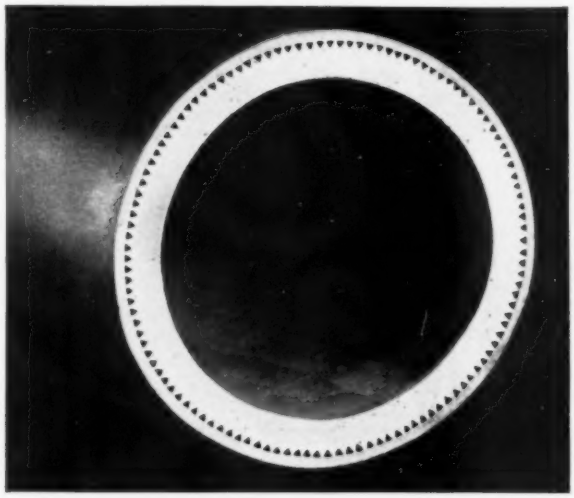
All-Fuel Chimney — A low cost, safe, attractive, residential chimney. Asbestos-cement housing in choice of four *non-fade* brick colors: red, white, buff and gray. Tile-lined sections are prefabricated; installation is fast, easy and economical. Each section has ⅝-inch fire clay tile liner, 3-inch vermiculite-concrete insulating wall, and asbestos-cement outer jacket. UL listed for all fuels, safe even for incinerators.

Metal Gas Vent — Double-wall, air-insulated gas vents are available in round or oval types. Special design makes installing easy — sections lock together simply, yet tightly, forming a strong, leak proof system. Inner wall of aluminum heats fast for greater efficiency; galvanized steel outer wall provides unusual strength. Full range of sizes and fittings. UL listed for standard (Type B) and recessed wall heaters (Type BW).



Smokestacks — Van-Packer Smokestacks for boilers and incinerators feature factory-built refractory sections with corrosion-resistant metal jackets that need no painting. They outlast steel stacks by three times (average), yet cost no more. Model HT Smokestacks are listed under the Factory Inspection and Label Service Program of Underwriters' Laboratories, Inc. Available in 10", 12", 15", 18", 21", 24", 30" and 36" ID's.



Masonry Gas Vent — This Van-Packer gas vent is made of ⅝-inch fire clay tile with an asbestos-cement jacket for safety and permanence. It is acidproof and fireproof, and won't dent, rattle, corrode or flake off. It is UL listed for Class B service and can be used with all gas-fired appliances (except incinerators) requiring a 3-inch to 7-inch ID flue. Comes with asbestos-cement brick-design panel housing in choice of four brick colors.

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Smokestacks

Underwriters' Laboratories, Inc.®

INSPECTED

Van-Packer Model HT Smokestack

Van-Packer Model HT Smokestack

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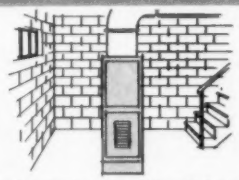
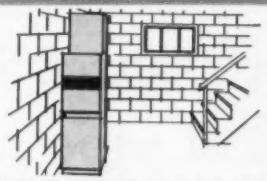
WITH THE AMAZING CARRIER THERMO-CENTER!

Now, for little more than the price of heating alone, you can also offer your prospects all the benefits of year-round air conditioning with the exclusive Carrier Thermo-Center. This unique method, which combines a forced warm air heating unit with a self-contained air conditioner, provides low-cost, twelve-month air conditioning for small and medium size homes. The key to the method is the prefabricated wall sleeve and the transition assembly which provides a simple, through-the-wall mounting for the air conditioner and controls the air flow between the heating and cooling units as shown below.

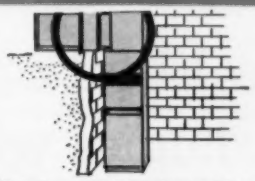
With a Thermo-Center you save hundreds of dollars per home: (1) No water supply or drain piping is required. (2) No refrigerant lines are needed. (3) Ductwork and wiring are simplified. (4) No specialized on-the-job construction is necessary. (5) Installation time and labor are greatly reduced. (6) Less than 5 square feet of floor area is required. Get the full facts about the Thermo-Center from your Carrier dealer listed in the Yellow Pages. Or you can write Carrier Corporation, Syracuse, New York.



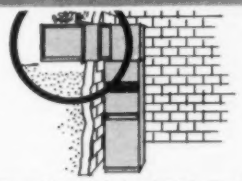
1 The first step is to put aside outdated notions of where a heating unit can be located. Planting the furnace in the middle of the basement was good enough years ago when people were satisfied simply with heating their homes.



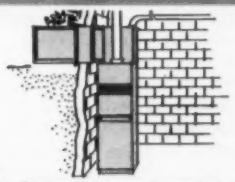
2 In the Thermo-Center, the unit is moved to an outside wall. There's no change in the amount of ductwork required, nor is the system operation affected in any way. Heating units can be upflow, downflow or horizontal; gas or oil.



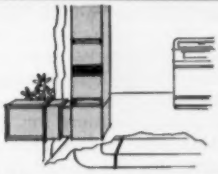
3 Next, the prefabricated sleeve and transition assembly is built into the wall and joined to the furnace plenum and ductwork. The sleeve and transition assembly can be applied to any standard type of wall construction.



4 The cooling unit is inserted into the sleeve, anchor brackets attached, seams caulked and electrical connections made. There are no refrigerant lines, no plumbing, no specialized on-the-job construction, no installation delays.



5 The Thermo-Center can be applied to any type of home—ranch, split level or multi-story. In a house with a basement, for example, the cooling unit is connected to a plenum set on top of an upflow Carrier Winter Weathermaker*.



6 In a house built on a slab, the transition is joined to a Thermo-Center downflow plenum which supports the Winter Weathermaker. The plenum directs air from the heating and cooling units into the duct system.

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BETTER AIR CONDITIONING FOR EVERYBODY Carrier *EVERYWHERE*

*Reg. U.S. Pat. Off.

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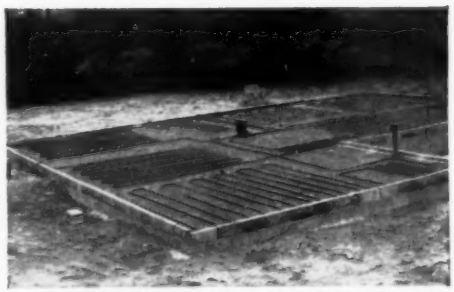

Steel pipe heating coils are shown installed in slab floors for an Oak Hill residence. Similar coefficients of expansion for steel and concrete make **steel pipe** the ideal choice for sturdy, trouble-free life.

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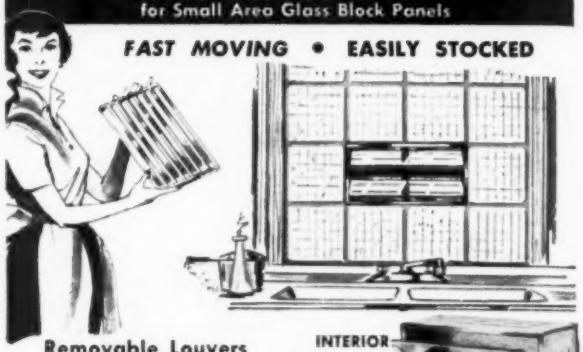

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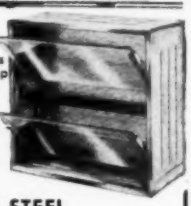

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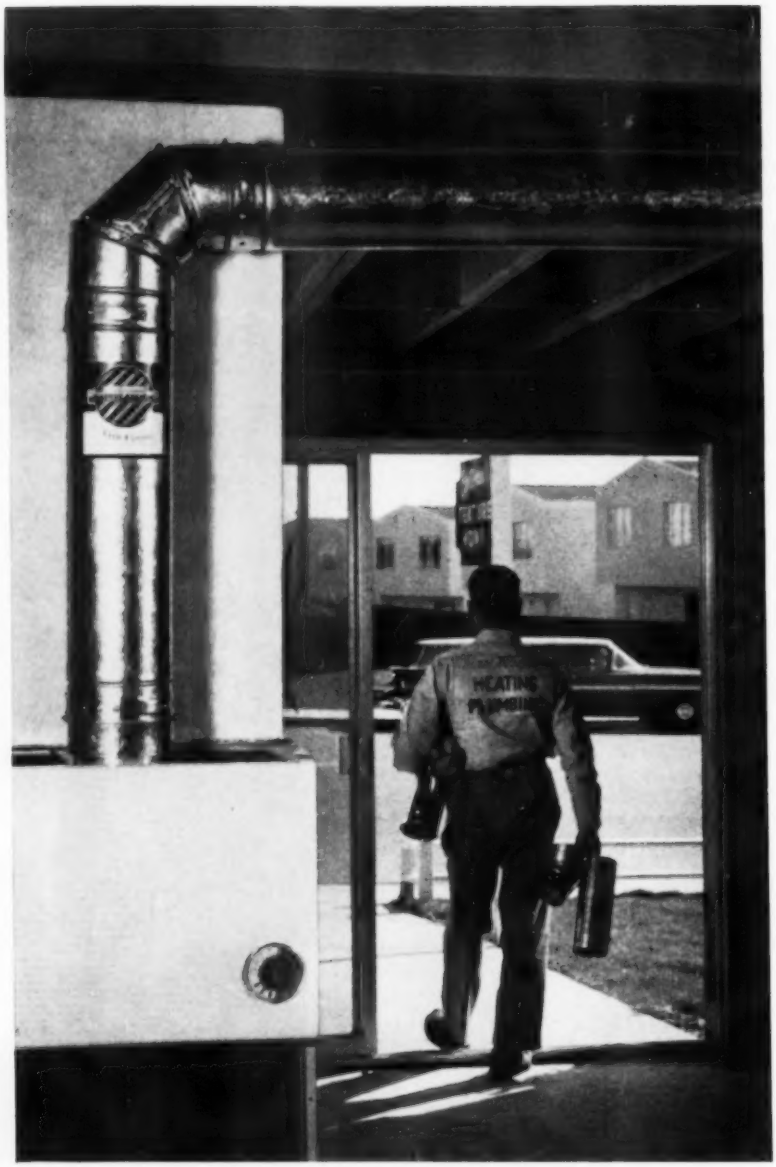

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(Continued from page 246)

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(Continued on page 270)

TENANTS of middle-income Oakwood Villa have the same luxurious comfort found in so many high rent apartment buildings—General Electric Built-In *Thinline* Air conditioning.

General Electric Thinline Air Conditioning Provides Luxury in Inexpensive Apartment

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"We chose Built-In *Thinlines* over all other air conditioners because of the design that conceals the grille behind a decorator baffle, and because *Thinlines* have hidden controls. The units are almost invisible. But everyone notices the air conditioned comfort."

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If you are planning to build or if you own an existing building, there are General Electric Room Air Conditioners to satisfy your cooling needs, too. The Golden Value Line of the 60's includes 18 different *Thinline* models, ranging from 5,300 to 16,000 BTU's*.

See your General Electric Dealer for full details. Room Air Conditioner Department, General Electric Company, Appliance Park, Louisville 1, Kentucky.

*Cooling capacities are tested and rated in compliance with NEMA Standard CN 1-1958 and are stated in terms of British Thermal Units.

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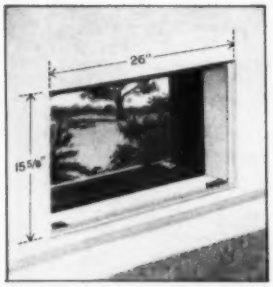
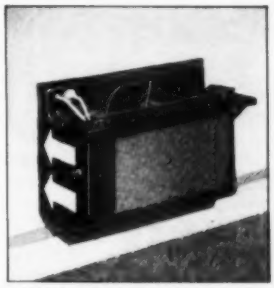
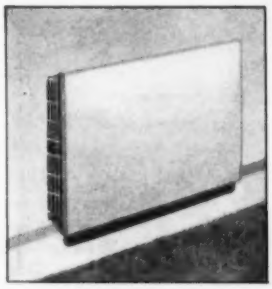
GENERAL ELECTRIC BUILT-IN THINLINE ROOM AIR CONDITIONERS ARE EASY TO INSTALL



Case installed during construction.



Unit slides into case later.



Add decorator panel.

That's all there is to it.

BEST BOILER BUY!

New! ROBERTS-GORDON

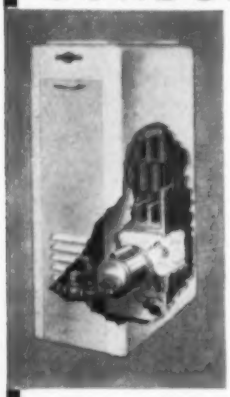
"Petite" Gas-Fired

CAST IRON

HOT WATER BOILERS

Builders everywhere are saying, "We didn't think we could ever get so much boiler at such a low price!" Roberts-Gordon "Petite" Boilers are compact, ready-to-install "packages". Perfect for space-saving installations in new homes and multiple apartments. Can be used singly, or in tandem for low-cost zone control. Easy to install, tops in efficiency. Ruggedly-built for dependable, trouble-free performance. 50,000, 70,000 and 90,000 BTU/Hr.

GORDONEER



CAST IRON GAS HOT WATER BOILERS

These trouble-free units utilize the famous Roberts-Gordon *"Spreader-Flame"* principle, which insures maximum heating efficiency. Ideal for all gravity or forced circulation hot water heating systems. Wet base greatly increases efficiency and adaptability. Easy installation, minimum maintenance. 78,000, 115,000 and 150,000 BTU/Hr.

"GORDON *Lampadaire*"

GAS LAMPS

Offers an outstanding opportunity for EXTRA PROFITS to Builders!

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• Gas Furnaces • Air Conditioning • Unit Heaters

ROBERTS-GORDON APPLIANCE CORP.

44 Central Ave. • Dept. AB • Buffalo 6, N. Y.

BRAND NAMES DIRECTORY

(Continued from page 268)

ROLL-EEZ Junior-Pro Products Co
ROLL-OR-WHEEL Buschman E W Co Inc
ROL THREAD Hillwood Mfg Co
ROL-TOP Kinnear Mfg Co
ROLTITE Consoweld Corp
ROLTITE CEMENT Midcontinent Adhesive Company
ROLY-DOOR Morrison Steel Prods Inc
ROMAN BRONZE Revere Copper & Brass
ROMANESQUE Lustro Tile Mfg Co
ROMANS Watsontown Brick Co
ROMANY-SPARTAN U S Ceramic Tile
ROMAR Romar Filter Corp
ROMEX General Cable Corp
ROMEX-UF General Cable Corp
ROOF DECK Granco Steel Prods Co
ROOFINSUL Johns-Manville Corp
ROOFMASTER Carey Philip Mfg Co
ROOF MATE Dow Chemical Co
ROOMAIRE Young Radiator Co
ROOM MATES York Wall Paper Co
ROSEMAN TILLER RAKE Roseman Tractor Equipment Company
ROSEMOLD Midland Brick & Tile Co
ROSE WALNUT Masonite Corp
ROTARY Swartwout Co
ROT-STOP Rockcote Paint Co
ROTO-GLO Pass & Seymour Inc
ROTO-TROWEL Stow Mfg Co
ROTO-WAITERS Sedgwick Mach Works
ROTOWOOD Parkwood Laminates Inc
ROUNDEL Mondial United Corp
ROUNDVENT Webb Mfg Co Inc
RO-WAY Rowe Mfg Co
ROYAL Alumatic Corp of America
ROYAL Chattanooga Royal Co
ROYAL Crossett Lumber Co
ROYAL Sloan Valve Co
ROYALCOTE Masonite Corp
ROYAL EAGLE Eagle Rule Mfg Corp
ROYALFOLD Curtition Corp
ROYAL Chattanooga Royal Co
ROYALTEX Polyplastex United Inc
ROYAL 24 INCH SHINGLES White Creek Shingle Co
RUBATEX Rubatex Div Great Amer Ind
RUBBERCOAT Wilbur & Williams Co
RUBBERCOTE Thomas Moulding Floor
RUBBERLIKE Bird & Son Inc
RUBBERLOCK Mitchel Rubber Prods Inc
RUB-R-BOND Elliott Paint & Varnish Co
RUGASOL Sika Chemical Corp
RUGBY Standard Brick & Tile Corp
RUGGED ROLLING DOOR W M Prods
RULANE Suburban Propane Gas Corp
RUNWELL Frantz Mfg Co
RUSCO Russel F C Co
RUSCO-MATIC Russel F C Co
RUS-KIL Mobile Paint Mfg Co
RUSTBAAR Horn A C Co Div Sun Chem
RUSTEX Elliott Paint & Varnish Co
RUSTGO Stay-Tite Products Co
RUST-OLEUM Rust-Oleum Corp
RUTLAND Rutland Fire Clay Co
RUUD ALCOA ALLOY Ruud Mfg Co
RUUDIATOR Ruud Mfg Co
R-V LITE Arvey Corp

(Continued on page 272)

FROM CARTON TO ATTIC . . .

Installed in Minutes!

BAR-BROOK*

BREEZEBUILDER*

Package Unit

ATTIC FANS

. . . are true package units—NOT partially pre-assembled.

Fan, motor, ceiling shutter, and suction box are completely factory assembled, and wired to standard knock-out box on top of fan. Pre-cut ceiling trim. The builder's answer to economical home cooling. 3 sizes for 31", 36", 42" ceiling openings. UL Approved.

UL

WRITE FOR CATALOG of entire BAR-BROOK line of large fans and shutters.

Also Model FH Fans for vertical or horizontal operation. 6 sizes, 30" to 54".

BAR-BROOK MFG. CO., Inc.

Box 6638-G — Shreveport, Louisiana

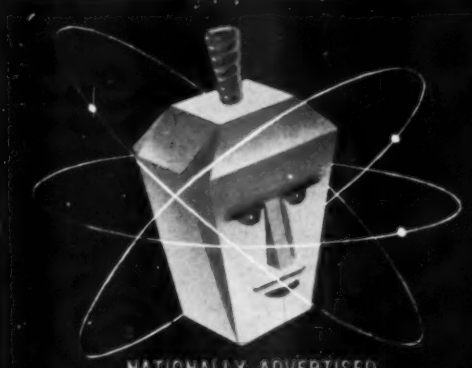
FAN MAKERS SINCE 1932

*T.M. Reg. U.S. Pat. Off.

The Furnace Designed with the Eu[illegible]

A nationally advertised unique symbol combined with a complete line of builder-designed furnaces.
Your new home prospects will know this symbol.
You will recognize the low cost installation features and their compactness.

WILLIAMSON



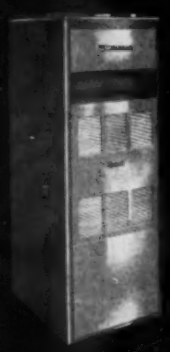
NATIONALLY ADVERTISED

"Magic Brain"

HEATING & COOLING UNITS

Completely factory wired, assembled and tested, these compact units can be installed with the ease of an appliance. Installer simply connects flue, fuel lines and power service. Fits into a 23½" wide space. Available for oil and gas.

Special Series Units



Hi-Boy Model

Lo-Boy Model with Air Conditioning

Counter-Flow Model

Especially designed for use with Air Conditioning . . . addition of Coil and Outdoor Condenser converts units into a Yearound Air Conditioner.

New Wintermatic Units

Hi-Boy Model

Counter-Flow Model

For really low cost houses, famous Williamson quality is available in the new Wintermatic economy line 75,000 and 100,000 BTU in gas; 100,000 in Oil. Hi-Boy and Counter-Flow models only.

Wintermatic and Special Series Units are 22¼" wide

	DEPTH (in inches)		HEIGHT (in inches)		
BTU	HI-BOY OR COUNTER-FLOW	LO-BOY †	HI-BOY	LO-BOY†	COUNTER-FLOW
75,000*	25	41	62	44⅛	65
100,000	29	47	62	44⅛	65
125,000 †	32	52	62	44⅛	65
150,000 †	35	55	62	44⅛	65
175,000 †	40½	—	67	—	70
200,000 †	45½	—	67	—	70

*Not available for oil fuel † Not available in Wintermatic Series

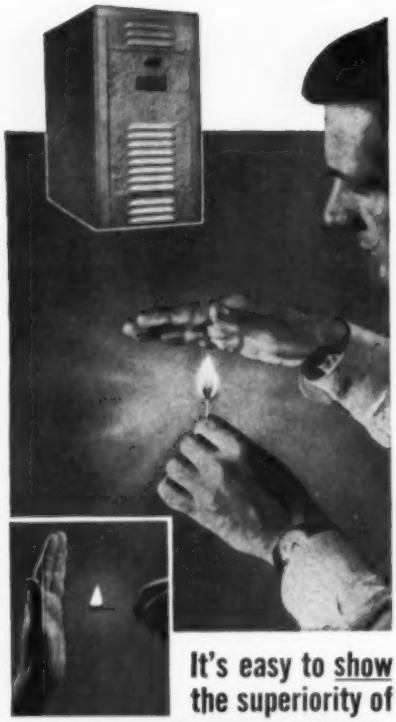
THE WILLIAMSON COMPANY
3330T4 Madison Rd., Cincinnati 9, Ohio

I want more information on your Builder Furnaces.

Name _____

Address _____

City _____ Zone _____ State _____



It's easy to show the superiority of

HYDROTHERM'S

HORIZONTAL boiler sections

Simple test quickly shows prospects how gas-fired HYDROTHERM's horizontal, cast iron boiler sections save fuel—boost efficiency. Hand held over flame feels direct heat of rising gases—beside flame, only radiant heat—hot gases slip by.

This convincing test demonstrates how HYDROTHERM efficiency brings luxury, gas-fired hydronic heating to a home *they* can afford.

Hot gases rise, whether from match or burner. HYDROTHERM staggered, horizontal water sections, like hand over flame, force hot rising gases to traverse all water-backed, cast iron sections at right angles on their way from burner to flue. This true gas design transfers 40% more heat per pound of cast iron than possible with vertical section boilers — homeowners get a compact unit with less stand-by loss, quicker load pick-up — greater fuel savings.

Explain these advantages with the graphic match test that lets prospects actually *feel* the difference. *Try it* — it really tells the story.

Send *your* construction plans. We'll prove how HYDROTHERM advanced engineering gives luxurious hot water heat at no extra cost.

HYDROTHERM INC

DEPT. 13-A NORTHVALE, NEW JERSEY

FIRST IN HYDRONIC GAS HEAT

BRAND NAMES DIRECTORY

(Continued from page 270)

R-V-TEX Arvey Corp
SBP Burnham Corp Warm Air & Cooling
S I S Allied Chemical Corp Barrett Div
SABER-TOOTH Rawplug Co Inc
SABRE Miller Co
SABINITE United States Gypsum Co
SACHEM Samson Cordage Works
SAFE Safe Padlock & Hdwe Co
SAFE-T-MATIC Safety Nail Driver Corp
SAFE-T-TAPS Keystone Mfg Co
SAFETY GLO Rodale Mfg Co Inc
SAFETY M I General Cable Corp
SAFETY PULL Coffing Hoist Duff-Norton
SAFETY-STEP Goodrich B F Co Flooring
SAFETY-WALK Minnesota Mining
SAF-SHORE Safway Steel Products Inc
SAF-T-CUT Bay State Abrasive Prods Co
SAF-T-HOT Hedges M M Mfg Co Inc
SAFTI-VENT Little H C Burner Co
SAF-T-LOK Certain-Teed Sales Corp
SAFWAY SHORES Safway Steel Prods
SAGLESS Chicago Spring Hinge Co
SAKAR Elliott Bay Mill Co
SALEM Johns-Manville Corp
SALEM LINE Irmanton Products Co
SAMARA United States Plywood Corp
SAMCO Syrall Manufacturing Co
SAMCO Samuel Stamping & Enameling
SAMPSON Richbilt Manufacturing Co
SANACOUSTIC Johns-Manville Corp
SANDMASTER 8 Atlas Floor Surfacing
SAND-O-FLEX Merit Products Inc
STARFOLD Curtition Corp
SAND-HOG JR SET Karelius A. & Sons
SAND-HOG SR SET Karelius A. & Sons
SAN-EQUIP Vega Industries Inc
SANFORD GRI-P-LATE Sanford Gri-P-Late Co
SANI-CART American Conveyor Co
SANI-FLAT Moore Benjamin & Co
SANI FLOOR Hollaender Mfg Co
SANIMASTER Ruud Mfg Co
SANITONE American Asbestos Prods Co
SAN MARINO Thomas Industries Inc
SANTA CLARA Permanente Cement Co
SANTOBRITE Monsanto Chemical Co
SARALOY 400 Dow Chemical Co
SARGENT Sargent & Co
SASHCO Southern Sash Sales & Supply
SATEEN O'Brien Corp
SATINA Penn-Akron Corp
SATIN-GLAZE Mosaic Tile Co
SATIN GLO Sunbeam Plastics Corp
SATINHIDE Pittsburgh Plate Glass Co
SATINLAC United States Plywood Corp
SATIN-LUX Patterson-Sargent Co
SATIN SHEEN Chicago Bronze & Color Works
SATIN SPAR Bestwall Gypsum Co
SATINTEX Seidlitz Paint & Varnish Co

(Continued on page 278)

Sell the magic* of automatic kitchen ventilation

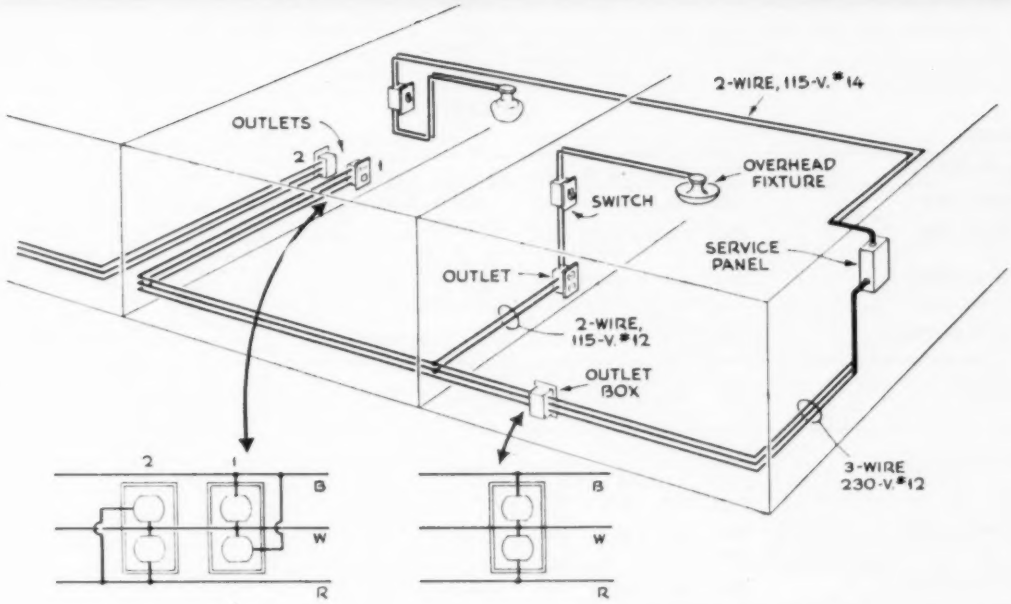
*You'll profit by writing to:

PARAGON

ELECTRIC COMPANY

1826 Twelfth St. • Two Rivers, Wis.

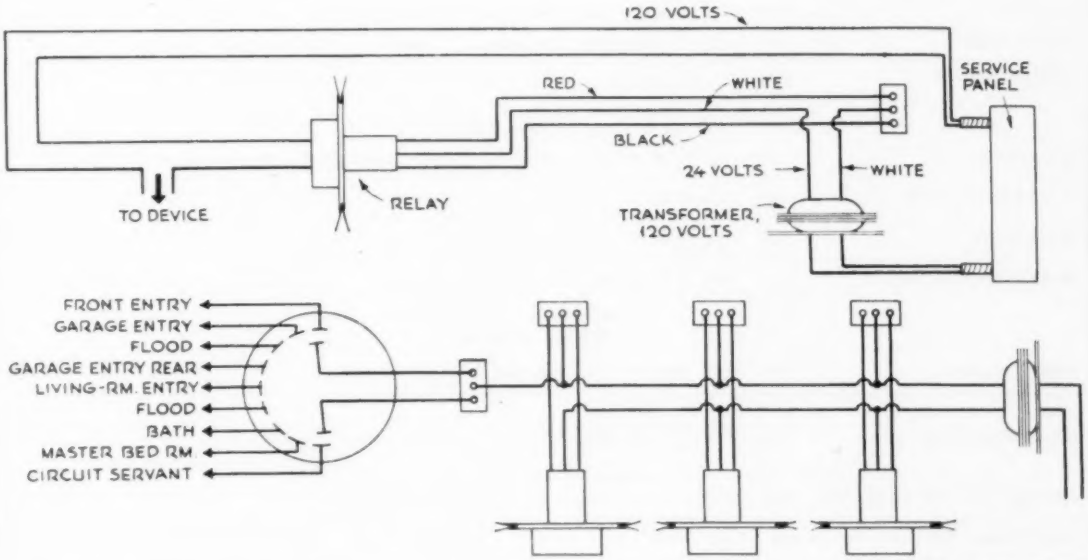
TIME IS MONEY — CONTROL IT WITH PARAGON



(Courtesy: National Electrical Manufacturers Assoc.)

THREE-WIRE, 220-VOLT PERIMETER WIRING

This system has two basic advantages over conventional wiring. First, it makes two circuits available for every one wire that's pulled, reducing labor costs. And second, it makes 220-volts available in every room, so that room air conditioners can be installed without the need for additional wiring. Convenience outlets can be wired in either of the two ways shown, and overhead lights can be wired off the perimeter if it is desirable.



(Courtesy: General Electric Co.)

LOW-VOLTAGE RELAY SWITCHING

Low-voltage relay systems are most often used where it is desired to operate lights or other electrical devices from several different switches. The master switch system, shown above, is the most common: from one master switch, generally in the master bedroom, as many as nine key circuits in the house can be controlled. Low-voltage wire need not be armored or heavy, can be run at much lower cost than conventional 110-volt wire.

13

ELECTRICAL, WIRING

Load and Circuit Chart

	Typical Connected Watts	Volts	Wires	Circuit Breaker or Fuse	Outlets on Circuit	Outlet	Notes
KITCHEN							
RANGE	12000	120/240	3 # 6	50A.	1	Special Purpose	Use of more than one outlet is not recommended.
OVEN (Built in)	4500	120/240	3 # 10	30A.	1	Special Purpose	May be direct connected.
RANGE TOP	6000	120/240	3 # 10	30A.	1	Special Purpose	May be direct connected.
RANGE TOP	3300	120/240	3 # 12	20A.	1	Special Purpose	May be direct connected.
DISHWASHER	1200	120	2 # 12	20A.	1	Parallel Grounding	These appliances may be direct connected on a single circuit. Grounded receptacles required, otherwise.
WASTE DISPOSER	300	120	2 # 12	20A.	1	Parallel Grounding	These appliances may be direct connected on a single circuit. Grounded receptacles required, otherwise.
BROILER	1500	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Heavy-duty appliances regularly used at one location should have a separate circuit. Only one such unit should be attached to a single circuit at the same time.
FRYER	1300	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Heavy-duty appliances regularly used at one location should have a separate circuit. Only one such unit should be attached to a single circuit at the same time.
COFFEEMAKER	1000	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Heavy-duty appliances regularly used at one location should have a separate circuit. Only one such unit should be attached to a single circuit at the same time.
REFRIGERATOR	300	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Separate circuit serving only refrigerator and freezer is recommended.
FREEZER	350	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Separate circuit serving only refrigerator and freezer is recommended.
LAUNDRY							
WASHING MACHINE	1200	120	2 # 12	20A.	1 or more	Parallel Grounding	Grounding type receptacle required. Separate circuit is recommended.
DRYER	5000	120/240	3 # 10	30A.	1	Special Purpose	Appliance may be direct connected — must be grounded.
IRONER	1650	120	2 # 12	20A.	1 or more	Parallel Grounding	
HAND IRON	1000	120	2 # 12	20A.	1 or more	Parallel	Consider possible use in other locations.
WATER HEATER	3000					Special Purpose	Consult utility company for load requirements.
LIVING AREAS							
WORKSHOP	1500	120	2 # 12	20A.	1 or more	Parallel Grounding	Separate circuit recommended.
PORTABLE HEATER	1300	120	2 # 12	20A.	1	Parallel	Should not be connected to circuit serving other heavy-duty loads.
TELEVISION	300	120	2 # 12	20A.	1 or more	Parallel	Should not be connected to circuit serving appliances.
PORTABLE LIGHTING	1200	120	2 # 12	20A.	1 or more	Parallel	Provide one circuit for each 500 sq. ft. Divided receptacle may be switch controlled.
FIXED UTILITIES							
FIXED LIGHTING	1200	120	2 # 12	20A.	1 or more		Provide at least one circuit for each 1200 watts of fixed lighting.
AIR CONDITIONER ¾ hp	1200	120	2 # 12	20A.	1	Parallel Grounding	Consider 4 kw 3-wire circuits to all window or console-type air conditioners. Outlets may then be adapted to individual 120- or 240-volt machines. Connection to general purpose or appliance circuits is not recommended.
CENTRAL AIR CONDITIONER	5000	240				Special Purpose	Consult manufacturer for recommended connections.
HEAT PUMP	*14000	240				Special Purpose	Consult manufacturer for recommended connections.
SUMP PUMP	300	120	2 # 12	20A.	1 or more	Parallel Grounding	May be direct connected.
HEATING PLANT	600	120	2 # 12	20A.	1		Direct connected. Some local codes require separate circuit.
FIXED BATHROOM HEATER	1500	120	2 # 12	20A.	1		Direct connected.
ATTIC FAN	300	120	2 # 12	20A.	1 or more	Parallel Grounding	May be direct connected. Individual circuit is recommended.

*Maximum connected load (range varies from 6000 to 14000 depending on season).

Courtesy "Live Better Electrically"

13

GENERAL: All incandescent bulbs, except the low-wattage decorative types, must be shielded by a diffusing material. A minimum of one permanent lighting unit per room must be on switch control at room entrance or entrances when they are more than ten feet apart.

LIVING ROOM, FAMILY ROOM►

For rooms 125 square feet and below, required is either: a) A single lighting fixture 12-15 in. in diameter, holding one 100-watt bulb or three 40-watt bulbs, b) 6 feet of structural lighting such as a cornice, bracket or valance.

For room sizes between 125 and 225 square feet, required is either: a) A 15-17 in. fixture holding one 150-watt bulb or four 40-watt bulbs, b) 8-12 ft. of structural lighting.

For rooms over 225 square feet, 16-20 ft. of structural lighting is required. In all cases, a combination of structural and ceiling fixture lighting is desirable.

◄DINING AREA: Required is ceiling fixture, suspended type preferred, centered above spot for dining table, incorporating at least 150 watts in one or more bulbs. If possible, one foot of structural lighting for every 12 square feet of room area should also be used.

KITCHEN►

For general lighting, there should be one ceiling fixture, a minimum 12 inches in diameter, to house one 150-watt, two 75-watt, or three 60-watt bulbs. If fluorescent type, use two 40-watt, four 20-watt, or two circline fluorescent lamps.

For local lighting, above sink in front of window use additional ceiling fixture as above, or one recessed fixture in soffit containing a minimum of 150 watts.

For sink under a cabinet, range, and work counters, required is a wall bracket containing one 20-watt fluorescent, or two 40-watt incandescent for each four feet of counter. If mounted flush with underside of cabinets, shielding is not required.

◄BEDROOMS: For bedrooms 125 square feet and below, use either: a) One ceiling fixture with a 12-15 in. diameter containing one 100-watt bulb, or b) three 40-watt bulbs, and 6 feet of structural lighting. For bedrooms between 125 and 225 square feet, use 15-17 in. fixture containing one 150-watt or four 40-watt bulbs, or 8-12 ft. of structural lighting. A combination of both is most desirable.

BATHROOM AND LAVATORY►

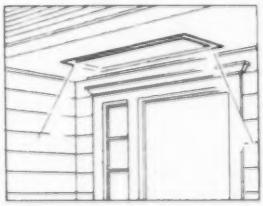
One fixture located at each side of grooming area and one fixture located on ceiling or wall over grooming area. Each of these should accommodate one 20-watt fluorescent, two 40-watt incandescent, or one 60-watt incandescent. For wall-to-wall mirrors, a row of shielded fluorescent tubes should be extended across full width of mirror.

13

◄LAUNDRY, UTILITY, WORKSHOP, BASEMENT: A minimum of one ceiling or wall fixture over each principal work area. Ceiling fixtures should be a minimum 12 in. in diameter carrying a minimum 150 watts in bulb or bulbs. For fluorescents: two 40-watt, four 20-watt, or two circline fluorescent lamps. Wall brackets along work areas should contain one 20-watt fluorescent, or two 40-watt incandescent, for each four feet of area to be covered.

HALLS, PASSAGEWAYS►

For each hall or passageway, use a minimum of one ceiling fixture, wall bracket, or recessed fixture accommodating a 60-watt bulb for every 10 feet of passageway.



OUTSIDE THE RESIDENCE: A minimum of one or more fixtures at each entrance of the residence.

ACCESSIBLE UNFINISHED STORAGE AREAS: A minimum of one fixture socket or wall bracket for each 200 square feet of floor space.

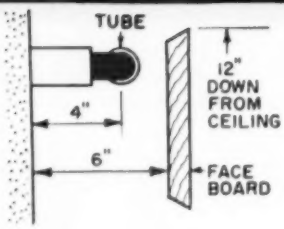
CLOTHES CLOSETS: A minimum one-lamp receptacle or fixture for each full-door closet.

GARAGE OR CARPORT: A minimum of one lamp receptacle or fixture using one 100-watt bulb at both sides of each parking area.

Courtesy: American Home Lighting Institute, Inc.

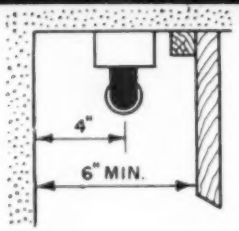
ELECTRICAL, WIRING

Selected Built-in Lighting Details



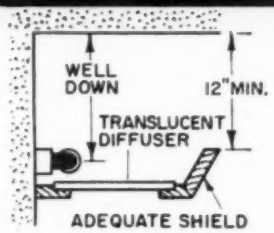
VALANCE

Shown here with side-mounted channel. Tube should be far enough from wall to prevent drapery from shielding downward light. Provides both ceiling- and wall-lighting.



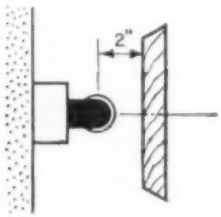
CORNICE

Provides wall light only. Faceboard joins ceiling. Channel is ceiling-mounted. Recommended for low-ceiling rooms, or where window head is close to ceiling.



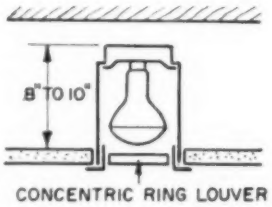
COVE

Emits light horizontally and upward unless shield is translucent (luminous cove). Should be either luminous or low enough to flood upper wall—otherwise too inefficient for home lighting applications.



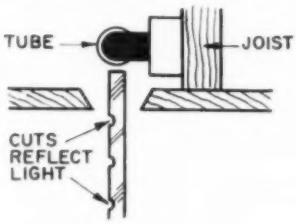
BRACKET

Like valance, but centerline of faceboard is on same level with tube, should be closer to wall. Light emission is both upward and down.



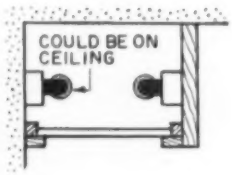
RECESSED DOWNLIGHT

Technically a fixture, but its inclusion in home should be planned prior to rough wiring. Using reflector-type bulb, adds highlights and drama to interior design.



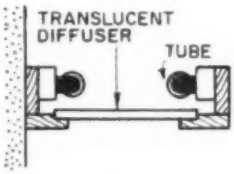
EDGELIGHTING

Arrangement of plastic or glass panel to transmit light edgewise — invisibly except where decorative cuts, ripples, or flutes in surface re-direct light, appear as its source.



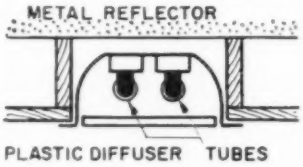
SOFFIT

Underside of beam or furred-down section containing recessed luminous panel. Chiefly for local lighting, but several soffit panels could provide adequate general illumination.



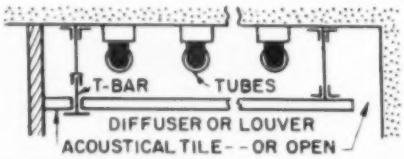
CANOPY-OVERHANG

Like luminous cove; but downward, diffused light is primary purpose of structure. Uniform brightness of diffusion panel would normally require at least two rows of tubes.



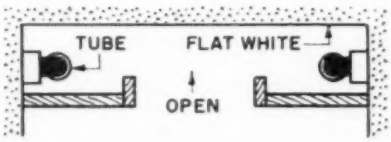
TROFFER

A fixture that provides a "pre-assembled" recessed panel including reflector. Generally narrow, made to permit end-to-end, continuous runs.



SUSPENDED CEILING

Either diffusion or opaque material suspended to form light plenum. Plastic or glass left open (right) would afford better ventilation, but could be harder to shield properly.



COFFER

A recessed cavity open at bottom with high cut-off angle. Interior surface becomes an indirect, diffused light source, primarily local.

13

TYPICAL SERVICE-ENTRANCE SCHEDULES FOR VARIOUS LEVELS OF UTILIZATION—115/230 volts, 3-wire

Nominal Rating	Maximum Capacity	Main Switch	Main Control Center Units	Size of Service Wire	Size of Conduit	Utilization Circuits
100A	24,000 watts	100A Sw. or 100A Cir. Bkr.	2-50A 1-20A (Water Heater)	2—No. 2 1—No. 4	1¼"	General Purpose Electric Cooking Electric Laundry Water Heater Air Conditioning
150A	36,000 watts	200A Sw. (150A Fuses) or 150A Cir. Bkr.	3-50A 1-20A (Water Heater)	2—No. 2/0 1—No. 2	2"	General Purpose Electric Cooking Electric Laundry Air Conditioning Water Heater Electric Heating (Small Homes)
200A	48,000 watts	200A Sw. (200A Fuses) or 200A Cir. Bkr.	4-50A 1-20A (Water Heater)	2—No. 4/0 1—No. 2/0	2"	General Purpose Electric Cooking Electric Laundry Air Conditioning Water Heater Electric Heating (Temperate Climate)

SAMPLE SERVICE-ENTRANCE CALCULATION

For a 1500 sq. ft. home with electric range, electric water heater and electric home laundry.

LIGHTING AND GENERAL-PURPOSE LOAD:
1500 sq. ft. x 4 watts/sq. ft. .....6000 watts

SMALL APPLIANCE LOAD:
Number of appliance circuits included in branch circuit layout — 4
4 x 2000-watts/circ. .....8000 watts
total 14000 watts
take 3000 at 100%.....3000 watts
and the remainder of 11000 at 35%..3850 watts
RANGE DEMAND LOAD:.....8000 watts

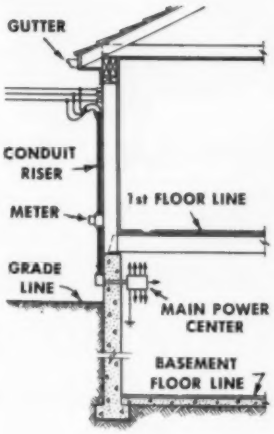
FIXED APPLIANCE LOAD:
Water heater .....3000 watts
Clothes dryer .....4500 watts
Clothes washer ..... 500 watts
Ironer .....1650 watts
9650 watts
at 100%..... 9650 watts

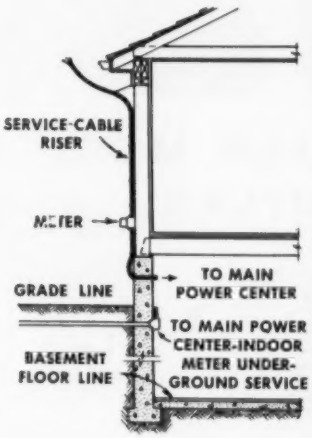
Total watts of service capacity: 24500 watts
Required current-carrying capacity of service-entrance conductors (at 115/230 volts, 3-wire, single-phase):

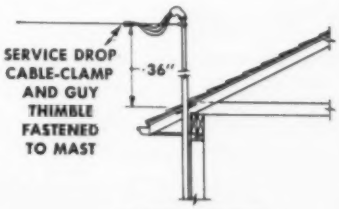
$$\frac{24500}{230} = 106.5 \text{ amperes}$$

Service-entrance conductors must be:
No. 1's Type R in 1½" Conduit
or No. 1's Type TW in 1½" Conduit
or No. 2's Type RH in 1¼" Conduit

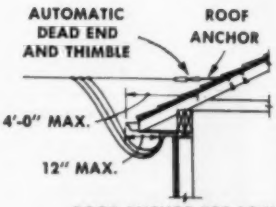
This service entrance can be described as a 25 kw service, the value obtained by multiplying the current rating of the service entrance by the voltage between the two ungrounded conductors (230 volts). A wide range of possible service entrance arrangements could be used to carry out the design set forth in this typical calculation. If a main disconnect switch is not required by local regulations, six or less circuit breakers can be used as protective subdivisions as set forth in Section 2351 a. of the National Electrical Code. If a main disconnect switch were required in this particular service entrance, either a 200-amp switch fused at 110 amps or, because the calculation contains spare capacity, a 100-amp switch fused at 100 amp or a 100-amp circuit breaker may be used as the main disconnect.



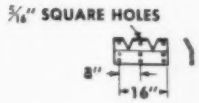




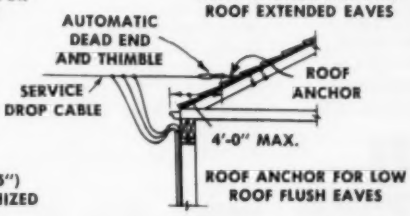
SERVICE MAST FOR LOW ROOF



ROOF ANCHOR FOR LOW ROOF EXTENDED EAVES



NO. 10 USS GA. (0.1345") SHEET STEEL HOT GALVANIZED



ROOF ANCHOR FOR LOW ROOF FLUSH EAVES

Courtesy "Live Better Electrically"

13

GUARANTEED FOR LIFE

Murray "MP" fully magnetic circuit breakers help you

TURN MORE LOOKERS INTO BUYERS... AT NO EXTRA COST

PROSPECTS know that only the best is GUARANTEED FOR LIFE. Show them you use only the best with this lifetime guarantee on competitively priced Murray "MP" circuit breakers.

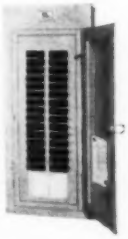
Your electrical contractor will leave visible proof of quality on every installation: a GUARANTEED FOR LIFE sticker and an official warranty in every load center. These instill confidence in the whole wiring job, give you that extra talking point to clinch the sale.

Look at these "MP" sales features:

- **Modern circuit breaker convenience and safety**
- **Finest branch circuit protection possible**
- **Installs anywhere for maximum wiring economy**
- **No nuisance tripping saves you customer gripes**

Model Home Promotional Aids

Ask your electrical contractor to install GUARANTEED FOR LIFE, fully magnetic Murray "MP" circuit breakers on your next job. Ask him also about the *Model Home Promotional Aids* he has available for you. For further information, write Murray directly for bulletin which tells how national GUARANTEED FOR LIFE promotion can help make sales for you. Murray Manufacturing Corporation, 1250 Atlantic Avenue, Brooklyn 16, N. Y.



60TH YEAR Murray

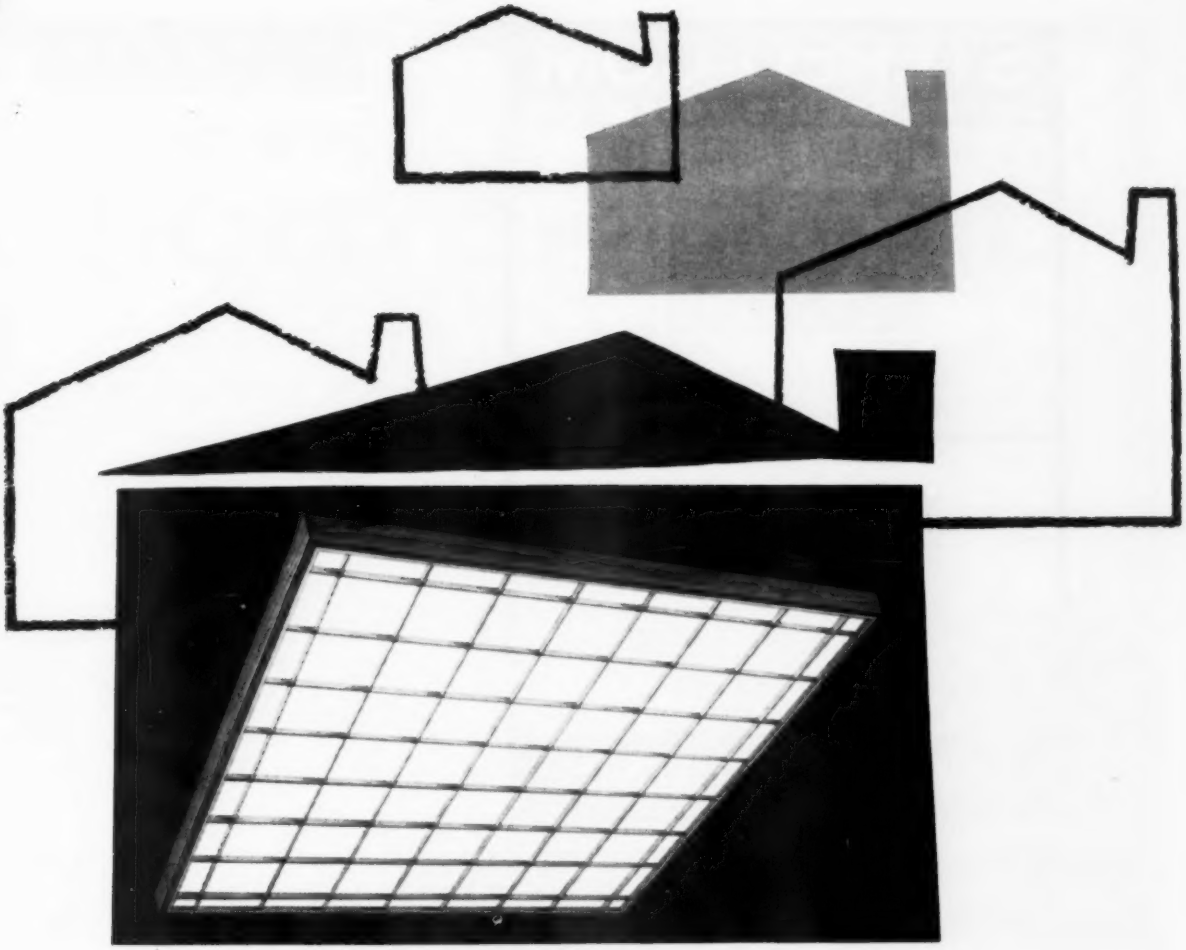
murray

BRAND NAMES DIRECTORY

(Continued from page 272)

SATINTONE Seidlitz Paint & Varnish Co
SATUROCK Carter-Waters Corp
SAVABRUSH Schalk Chemical Co
SAV-A-DOR Ludwig Mfg Co Inc
SAV-A-SCREEN Farley & Loetscher Mfg
SCENERAMIC Oro Mfg Co
SAW MASTER Master Woodworker Mfg
SAW ZALL Milwaukee Elec Tool Corp
SCAF-O-MATIC Universal Mfg Corp
SCATTER TWEED Wallace Mfg Co
SCHALKS Schalk Chemical Co
SCOOPMOBILE Mixermobile Mfg
SCOOT-CRETE Getman Brothers
SCORBORD Dow Chemical Co
SCOTCH BRAND Minnesota Mining
SCOTCHRAP Minnesota Mining
SCOTCH-TRED Minnesota Mining
SCOTSMAN Kennatrack Corp Sub Ekco
SCOTSMAN Clipper Mfg Co
SCOTTIE Kennatrack Corp Sub Ekco
SCOUT Slaymaker Lock Co
SCREEN-BAK Behr-Manning Co
SCREEN-GLASS Warp Brothers
SCREENLOK Safetee Glass Co
SCREENMASTER-STANDARD Engineered Products Co
SCREEN-N-CLOSURE Miami Metal Weatherstrip Co
SCREEN-O-MATIC Lockhart Mfg Corp
SCREW-SEAL Robinson Clay Product Co
SCREW-TITE NAILS Independent Nail
SCRO-GRILLS Hutchinson R H & Co
SCRUGUN Black & Decker Mfg Co
SCRU-LEALS Rawplug Co Inc
SCUF-CHAMP Ludlow Papers Inc
SCULPTURA Woodward Lee L Sons
SEA SWIRL United States Plywood Corp
SEADRIFT Masonite Corp
SEAL-A-DOOR Seal-A-Door Co
SEAL ALL CLIPS Seal-All Clip Co
SEAL-A-MATIC Superior Window Co
SEALAIR WINDOW Kawneer Co
SEAL-CRAX Allied Compositions Co Inc
SEALDON Certain-Teed Sales Corp
SEALD LIGHT Coddington E D Mfg Co
SEAL-DRAFT Sun Screen Prods Co
SEAL-DRI O'Brien Corp
SEAL-EAZ Precision Weatherstrip Co
SEAL-FLEX Grand Rapids Hardware Co
SEAL-FOIL Sealtite Insulation Mfg Corp
SEALIT Sullivan Co
SEAL-KOTE Wooster Sealkote Co
SEALMASTER Ida Products Co
SEAL-O-CEDAR Aloha Lumber Corp
SEAL O CEDAR Smith M R Shingle Co
SEAL-O-MATIC Johns-Manville Corp
SEALTIGHT Meadows W R Inc
SEAL-TITE Starline Inc
SEAL-TITE Visador Co
SEAL-TREAT American Asbestos Prods
SEASONMAKER McQuay Inc
SEASON-MASTER McQuay Inc
SECRET SERVICE Master Lock Co
SECTIONFOLD DOORS Wilson J G Corp
SECURIT Blue Ridge Glass Corp
SECURIT American-Saint Gobain Corp
SECURITY Resolite Corp
SECURITY (Doors) Cole Mfg Co
SECURITY ROOFING National Mfg Corp
SECURITY SIX Slaymaker Lock Co
SEDCON Sedcon Inc
SED-N-COTE Seddon Co
SED-N-SEAL Seddon Co
SED-N-SET Seddon Co
SED-N-SHADE Seddon Co
SELBALITH Selby Battersby & Co
SELBATEX Selby Battersby & Co

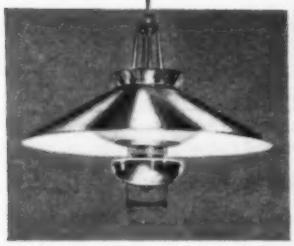
(Continued on page 280)

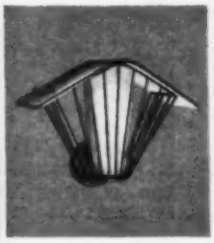


ONE MODEL HOME STANDS OUT

...it's the one with salespower by Lightolier

It may take a few dollars more (but not many) to put Lightolier fixtures in your models. And for those dollars you get the Lightolier name, evidence of quality; Lightolier lighting, evidence of sound planning; Lightolier styling, proof of your good taste. Perfect example: the exciting new Corona fixture above. The efficient fluorescent light is framed with walnut to give the look of fine cabinet work. Other examples below, priced to fit any sensible budget. To learn more about Lightoliers and what they can do for your homes, fill out the coupon today.





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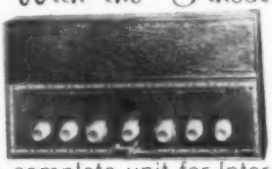
STEREO-COM

AM-FM-STEREO-INTERCOM

First With the Finest



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COMPLETE

One complete unit for Intercom stereo — and AM-FM radio
Six Hi-Fi Remote Speakers

DELUXE BUILT-IN RADIO WITH TONE CONTROL

$42.50
List Price
"Clock Optional"

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DALLAS 7, TEXAS

"SWEETHEART" RADIO

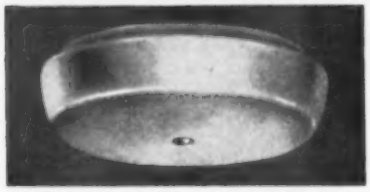
BRAND NAMES DIRECTORY

(Continued from page 278)

SEEDED EMERI-EPOX Maguire Walter
SELCKAFT Selck Walter E & Co
SELECTAIR Johnson S T Co
SELER-TRONIC Standard Register Co
SELF-CONTAINED WEATHERMAKER Carrier Corporation
SEWERTITE Carey Philip Mfg Co
S G CORK TILE Dodge Cork Co Inc
SHADE SCREEN Rudiger-Lang Co
SHADO-KAST Protective Products Co
SHADO-SHAKE Supradur Corp of N Y
SHADOWBESTOS Johns-Manville Corp
SHADOW CAST Certain-Teed Sales Corp
SHADOWLAP Celotex Corp
SHADOWOOD Lehman Co
SHADOWVENT SIDING Masonite Corp
SHAKERTOWN Shakertown Corp
SHALLOW-FLOW Goulds Pumps Inc
SHAM-ROCK Masonry Waterproofing Co
SHARP ALL Belsaw Machinery Co
SHASTA Wooster Brush Co
SHASTETTE Wooster Brush Co
SHAWNEE 88 Shawnee Manufacturing
SHEDWELL Frantz Mfg Co
SHEETROCK United States Gypsum Co
SHEF-TY Sheffield Div Armco Steel Corp
SHELBY Columbia Geneva Steel Division
SHELV-IT-ALL Hirsh S A Mfg Co
SHERARDUCT National Electric Div H K Porter

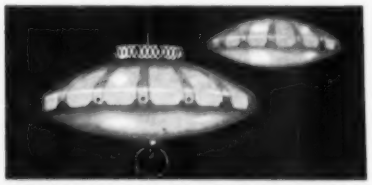
(Continued on page 282)

products of progress



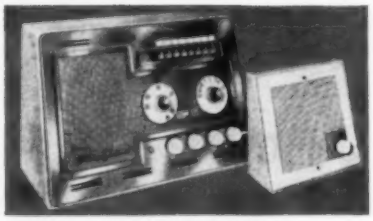
ASTRAL FLUORESCENT FIXTURES FOR BEAUTY, MORE EFFICIENT LIGHTING

Medium-impact styrene diffusers in luminous white make both circline and straight-line fluorescent lighting more effective than ever. Astral rimless fixtures provide the built-in look so attractive in low-ceilinged rooms. No exposed metal rims solve the matching fixture problem.



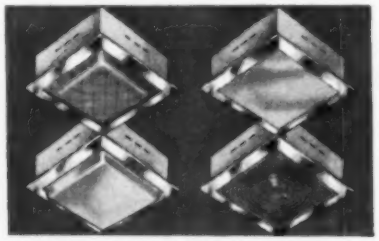
GOLDTONE OR COPPERTONE ACCENTS ENLIVEN VERSATILE MARDI GRAS

Matching Mardi Gras pull-down and ceiling fixtures — in white with goldtone or coppertone — where you want gaiety to prevail. White glass diffusers make light softly radiant.



SOUND GUARD INTRODUCES CONVERTIBLE RADIO INTERCOM

Now Sound Guard has designed a convertible intercom that eliminates permanent installation costs and problems. These handsome leatherette finished units move anywhere. Housing fits deluxe or economy Sound Guard systems. Easily converted to built-ins when desired.



BUDGET RECESS SERIES FEATURES EFFICIENT LENSES, DIFFUSERS

Now at low, low prices . . . attractive fresnel lens, drop opal, satin frosted bent glass, or flat glass diffusers, in easy to install recessed fixtures. This Minute Mount Series represents outstanding value — never have comparable fixtures been offered at such low prices.

NEW ECONOMY MODEL INTERCOM FOR BUDGET PRICED HOMES

The "Cadet," an AM standard system, is a new addition to the Progress line of *Sound-Guard* Intercoms. Now builders of economy homes can offer the luxury of a radio-intercom. Since the housing kit is the same for all 4 *Sound-Guard* systems, the buyer has the choice of deluxe models — such as AM-FM, clock-controlled AM, or AM deluxe radio intercoms. *(not illustrated)*

ACCESSORY WITH PHOTOELECTRIC CONTROL ACTIVATES POST LANTERN

The Progress Nite-Guard will fit any 3" post. A photoelectric cell automatically turns the post lantern on at dusk and off at dawn. An exclusive control allows adjustment of on-off light levels. Simple to install, Nite-Guard offers homeowners protection and safety.

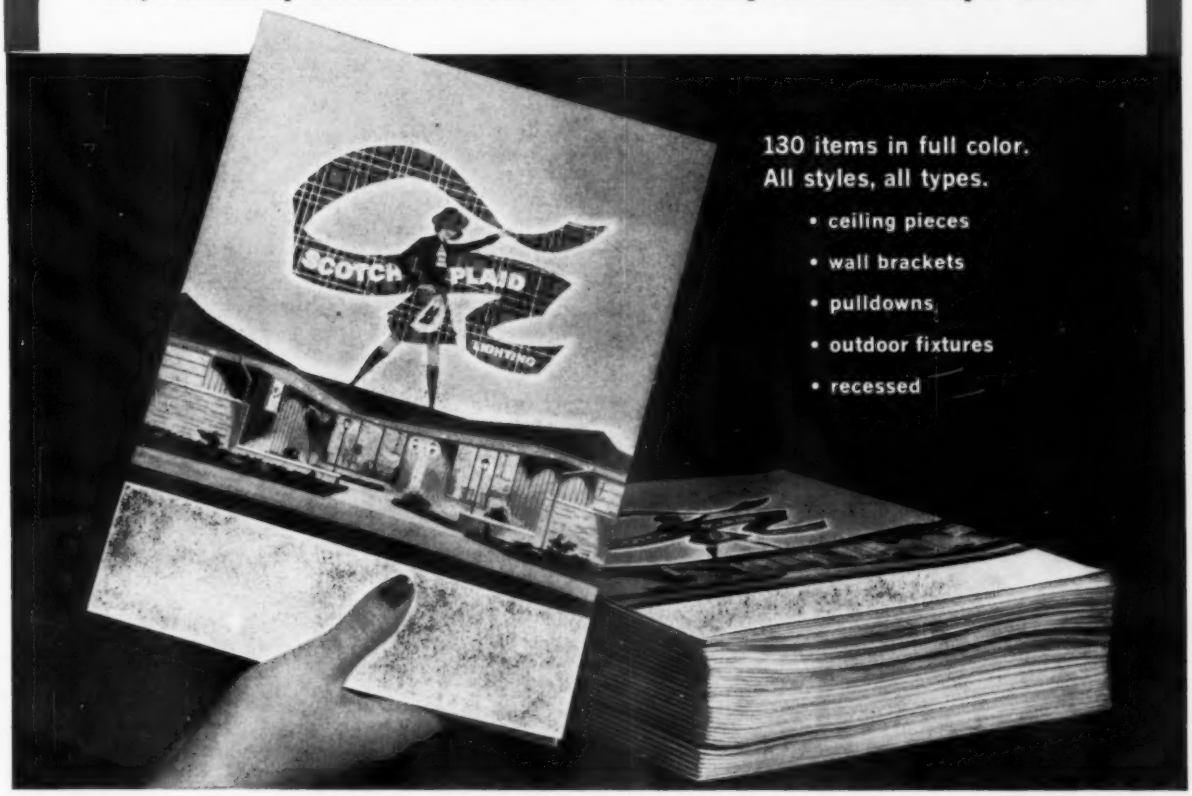
PROGRESS MANUFACTURING CO., INC.
Dept. ABD-8 Philadelphia 34, Pa.
Please send me complete information on
☐ Astral ☐ Mardi Gras ☐ Intercom
☐ Budget Recess ☐ Nite Guard

Name _____
Company _____
Address _____
_____ 6

virden Presents the NEW line of SCOTCH PLAID LIGHTING

Beauty *PLUS* Economy...

From Virden, famous for quality, comes a new and separate line of lighting fixtures. Called Scotch Plaid Lighting, here is beauty in design, excellence in workmanship, at a truly economical price! Ideal for tract homes or low-cost housing. Excellent for remodeling, wherever you want high-style at budget prices. See the new Scotch Plaid Lighting line at your nearby Virden distributor. Ask him for your copy of our new, free, full-color catalog. Or mail the coupon below.



130 items in full color.
All styles, all types.

- ceiling pieces
- wall brackets
- pulldowns
- outdoor fixtures
- recessed

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BRAND NAMES DIRECTORY

(Continued from page 280)

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SHIELDALL Textron Metals Co
SHIELDCOTE ENAMEL Marietta Paint
SHIELDWHITE PAINT Marietta Paint
SHINGLE N SHAKE Lowe Bros
SHIRLEY Shirley Corp
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SHOPMATE Portable Electric Tools Inc
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SHOWERAMA Daryl Products Corp
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SHOWERITE Efron Theodore Mfg Co
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SIKA-GARD Sika Chemical Corp
SIKA SEAL Sika Chemical Corp
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SILVER SENTINEL Slaymaker Lock Co
SILVER STEEL Atkins Saw Div
SILVERSTAR Alumatic Corp of America
SIMBA Tubular Structures Corp of Am

(Continued on page 298)

OVER 5,000 BUILDERS ASKED FOR THIS BOOKLET IN '59!

MOSLEY TV WIRING HELPS SELL HOMES

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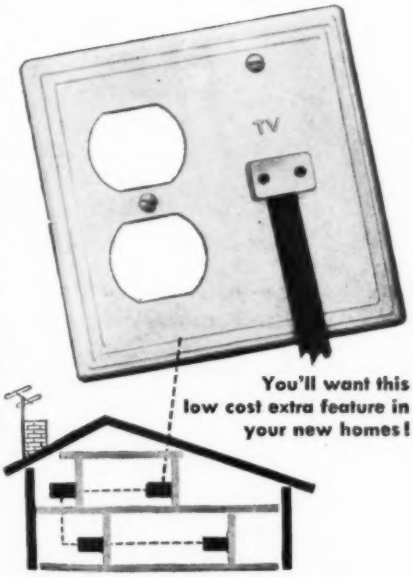

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FLOOR, WALL, CEILING MATERIAL

Hardwood Flooring Data

STANDARD SIZES, COUNTS and WEIGHTS

"Nominal" is the size designation used by the *trade*, but it is not always the actual size. Sometimes the actual thickness of hardwood flooring is 1/32-inch less than the so-called nominal size.

"Actual" is the *mill* size for thickness and face width, excluding tongue width. "Counted" size determines the board feet in a shipment. Pieces less than 1 inch in thickness are considered to be 1 in.

OAK

Nominal	Actual	Counted	Weights M Ft.
TONGUED AND GROOVED-END MATCHED			
25/32" x 3¼"	25/32" x 3¼"	1" x 4"	2300 lbs.
25/32" x 2¼"	25/32" x 2¼"	1" x 3"	2100 lbs.
25/32" x 2"	25/32" x 2"	1" x 2¾"	2000 lbs.
25/32" x 1½"	25/32" x 1½"	1" x 2¼"	1900 lbs.
⅜" x 2"	11/32" x 2"	1" x 2½"	1000 lbs.
⅜" x 1½"	11/32" x 1½"	1" x 2"	1000 lbs.
½" x 2"	15/32" x 2"	1" x 2½"	1350 lbs.
½" x 1½"	15/32" x 1½"	1" x 2"	1300 lbs.
SQUARE EDGE			
5/16" x 2"	5/16" x 2"	face count	1200 lbs.
5/16" x 1½"	5/16" x 1½"	face count	1200 lbs.

BEECH, BIRCH, HARD MAPLE AND PECAN

Nominal	Actual	Counted	Weights M Ft.
TONGUED AND GROOVED-END MATCHED			
25/32" x 3¼"	25/32" x 3¼"	1" x 4"	2300 lbs.
25/32" x 2¼"	25/32" x 2¼"	1" x 3"	2100 lbs.
25/32" x 2"	25/32" x 2"	1" x 2¾"	2000 lbs.
25/32 x 1½"	25/32" x 1½"	1" x 2¼"	1900 lbs.
⅜" x 2"	11/32" x 2"	1" x 2½"	1000 lbs.
⅜" x 1½"	11/32" x 1½"	1" x 2"	1000 lbs.
½" x 2"	15/32" x 2"	1" x 2½"	1350 lbs.
½" x 1½"	15/32" x 1½"	1" x 2"	1300 lbs.
SPECIAL THICKNESSES			
17/16" x 3¼"	33/32" x 3¼"	5/4" x 4"	2400 lbs.
17/16" x 2¼"	33/32" x 2¼"	5/4" x 3"	2250 lbs.
17/16" x 2"	33/32" x 2"	5/4" x 2¾"	2250 lbs.
Above Tongued and Grooved and End Matched			
JOINTED FLOORING — i. e., Square Edge			
25/32" x 2½"	25/32" x 2½"	1" x 3¼"	2250 lbs.
25/32" x 3¼"	35/32" x 3¼"	1" x 4"	2400 lbs.
25/32" x 3½"	25/32" x 3½"	1" x 4¼"	2500 lbs.
17/16" x 2½"	33/32" x 2½"	5/4" x 3¼"	2500 lbs.
17/16" x 3½"	33/32" x 3½"	5/4" x 4¼"	2600 lbs.

NOTE: Oak, Beech, Birch, Hard Maple and Pecan Flooring are bundled by averaging the lengths. A bundle may include pieces from 6 in. under to 6 in. over the nominal length of the bundle. No piece shorter than 9 in. admitted.

The percentages under 4 ft. referred to in the grading rules on this page apply on total footage in any one shipment of the item.

¾-in. allowance shall be added to the face length when measuring the length of each piece.

Flooring shall not be considered of standard grade unless the lumber from which the flooring is manufactured has been properly kiln-dried.

ESTIMATING FLOORING

Figures below are board feet of various sizes of flooring required to cover square feet of floor space shown at left.

Square Ft. Floor Space	25/32 x 3¼	25/32 x 2¼	25/32 x 1½	½ x 2	½ x 1½	⅜ x 2	⅜ x 1½
10	13	14	16	13	14	13	14
20	26	28	31	26	28	26	28
30	39	42	47	39	42	39	42
40	52	56	62	52	56	52	56
50	65	70	78	65	70	65	70
60	78	83	93	78	83	78	83
70	91	97	109	91	97	91	97
80	104	111	124	104	111	104	111
90	117	125	140	117	125	117	125
100	129	139	155	130	139	130	139
200	258	277	310	260	277	260	277
300	387	415	465	390	415	390	415
400	516	553	620	520	553	520	553
500	645	692	775	650	692	650	692
600	774	830	930	780	830	780	830
700	903	969	1085	910	969	910	969
800	1032	1107	1240	1040	1107	1040	1107
900	1161	1245	1395	1170	1245	1170	1245
1000	1290	1383	1550	1300	1383	1300	1383
Counted as	1 x 4	1 x 3	1 x 2¼	1 x 2½	1 x 2	1 x 2½	1 x 2
Weight	2300	2100	2000	1350	1300	1000	1000
Size of nails used	8d	8d	8d	5d	5d	4d	4d
Nail spacing	10-12 in. on center			8 to 10 in. on center		6 to 8 in. on center	
No. pieces per bundle	8	12	12	18	18	24	24
To obtain B.M. from bundle multiply by	2⅔	3	2¼	3¾	3	5	4

COMPUTING FLOORING NEEDS

To determine the board feet of flooring needed to cover a given space, first find the area in square feet then add it to the percentage of that figure which applies to the size flooring to be used, as indicated below. The additions provide an allowance for side-matching plus an additional 5% for end-matching and normal waste.

55% for ..... 25/32" x 1½"
42½% for ..... 25/32" x 2"
38⅓% for ..... 25/32" x 2¼"
29% for ..... 25/32" x 3¼"
38⅓% for ..... ⅜" x 1½"
30% for ..... ⅜" x 2"
38⅓% for ..... ½" x 1½"
30% for ..... ½" x 2"

The above figures are based on laying flooring straight across the room. Where there are bay windows or other projections, allowance should be made for additional flooring.

NAIL SCHEDULE — OAK FLOORING

Tongued-and-grooved flooring. To be blind-nailed.

Flooring Dimen., In.	Type, Size, Spacing of Nails
⅜ x 2 ⅜ x 1½	Bright casing nail — 4d wire or cut nail, or screw nail. 8 in. apart. Wood subfloor required.
25/32 x 3¼ 25/32 x 2¼ 25/32 x 1½	7d or 8d screw type or cut steel nail.* 10-12 in. apart.
½ x 2 ½ x 1½	5d screw type or cut steel or wire nail. 10 in. apart. Wood subfloor required.
Square-edge flooring. Face-nailed.	
5/16 x 2 5/16 x 1½	1-in. 15 gauge fully barbed flooring brad, preferably cement coated. 2 nails every 7 in. Wood subfloor required.

*If steel wire flooring nail is used, it should be 8d, preferably cement coated. Newly developed machine-driven barbed fasteners of the size recommended by the manufacturer are acceptable.

Courtesy National Oak Flooring Mfrs. Assn.

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FLOOR, WALL, CEILING MATERIAL

Resilient Flooring Data

TYPE OF FLOORING	ASPHALT		SEMI-FLEXIBLE ASBESTOS	VINYL				FLEXIBLE HOMO-GENEOUS	RUBBER		LINOLEUM		CORK
				BACKED TYPES									
	REGULAR	GREASE-PROOF		REGULAR		ALKALI RESISTANT							
FORM AVAILABLE	TILE	TILE	TILE	SHEET	TILE	SHEET	TILE	TILE	SHEET	TILE	SHEET	TILE	TILE
DIMENSIONS*													
Size or Width, Inches	9 x 9	9 x 9	9 x 9	72	9 x 9	45, 72	9 x 9	9 x 9	36	9 x 9	72	9 x 9	9 x 9
Thickness, Inches	0.125 0.1875	0.125 0.1875	0.0625 0.080 0.09375 0.125	0.0625 0.070	0.0625	0.0625 0.080	0.0625 0.080	0.080 0.09375 0.125	0.080 0.125 0.1875	0.080 0.125 0.1875	0.070 0.090 0.125	0.065 0.090 0.125	0.09375 0.125 0.1875 0.3125
COST													
Approximate Installed Cost Per Square Foot in Cents	0.125" $.20-.45	0.125" $.25-.50	0.0625" $.25-.35	0.0625" $.30-.40	0.0625" $.30-.40	0.0625" $.50-.60	0.0625" $.50-.60	0.080" $.55-.80	0.080" $.45-.55	0.080" $.45-.55	0.070" $.25-.35	0.065" $.25-.35	0.09375" $.35-.45
For Thickness Indicated	0.1875" $.25-.50	0.1875" $.30-.55	0.125" $.40-.60	0.070" $.45-.50		0.080" $.55-.70	0.080" $.55-.70	0.09375" $.70-1.30 0.125" $.75-2.00	0.125" $.55-.70 0.1875" $.70-.90	0.125" $.55-.70 0.1875" $.70-.90	0.090" $.30-.45 0.125" $.40-.60	0.090" $.30-.45 0.125" $.50-.70	0.125" $.45-.55 0.1875" $.55-.65 0.3125" $.75-.90
USE LEVEL**													
Suspended	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
On Grade	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes
Below Grade	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No
PHYSICAL CHARACTERISTICS													
Thermal Conductivity Btu/Hr./Sq. Ft./°F/In.	3.1	3.1	3.1	1.4	1.4	1.2-3.3	1.2-3.3	5.3	5.3	5.3	1.5	1.5	0.5
Relative Maximum Static Load Without Permanent Indentation Expressed in Lbs./Sq. In	25(Fair)	25(Fair)	25(Fair)	75(Good)	75(Good)	75(Good)	75(Good)	200 (Excellent)	200 (Excellent)	200 (Excellent)	75(Good)	75(Good)	75(Good)
Under Foot Comfort	Fair	Fair	Good	Good	Good	Good	Good	Excellent	Excellent	Excellent	Good	Good	Excellent
Apparent Warmth to Touch	Fair	Fair	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Excellent
Quietness (Noise Level)	Fair	Fair	Good	Good	Good	Good	Good	Very Good	Very Good	Very Good	Good	Good	Excellent
Surface Alkali Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Fair	Fair	Fair
Grease Resistance	Poor	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Fair
Ease of Maintenance	Fair	Good	Good	Very Good	Very Good	Very Good	Very Good	Very Good	Good	Good	Very Good	Very Good	Fair

Slipperiness	Varies with finish and waxing, normally all are slip-resistant when dry.
Impact Resistance	All are resistant to shattering, splitting, cracking or other damage under normal impact conditions.
Light Reflectivity	Varies from almost zero to 65% depending on color, surface texture and finish—consult manufacturer.
Durability	All show excellent durability under use conditions for which they are individually suitable when installed and maintained as recommended by manufacturer.

*Nominal commercial dimensions only are shown—other sizes, shapes, thicknesses and widths vary with manufacturer.
**When installed in accordance with the specific precautions and recommendations of the manufacturer.

Material Courtesy Building Research Institute

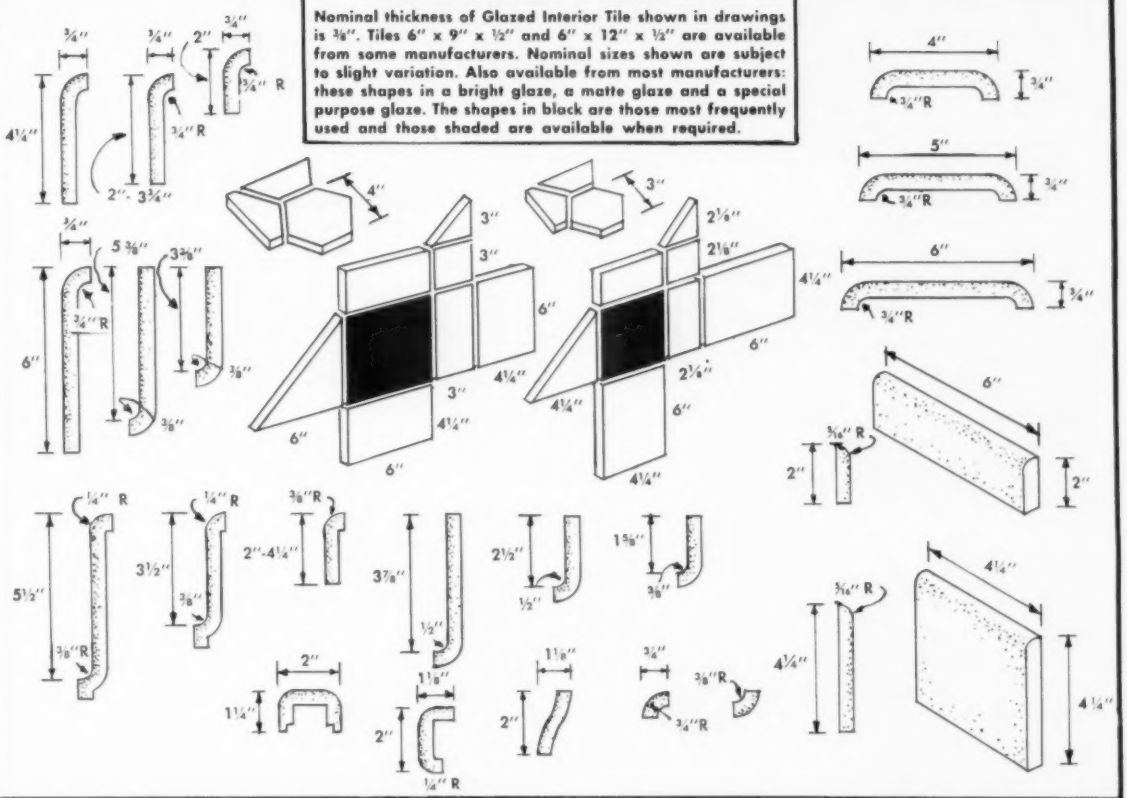
14

FLOOR, WALL, CEILING MATERIAL

Ceramic Tile Standards

GLAZED CERAMIC INTERIOR TILE

Nominal thickness of Glazed Interior Tile shown in drawings is ⅜". Tiles 6" x 9" x ½" and 6" x 12" x ½" are available from some manufacturers. Nominal sizes shown are subject to slight variation. Also available from most manufacturers: these shapes in a bright glaze, a matte glaze and a special purpose glaze. The shapes in black are those most frequently used and those shaded are available when required.



QUARRY TILE

Basic shapes for flat Quarries are shown in black. For the trimmer shapes shown there are complementary corner pieces available. Consult the Tile Contractor if other shapes than those illustrated are required for special conditions. Dimensions shown on the drawings are nominal . . . some slight variation is to be expected in actual measurements. Shapes other than the basic ones shown are available from some manufacturers.

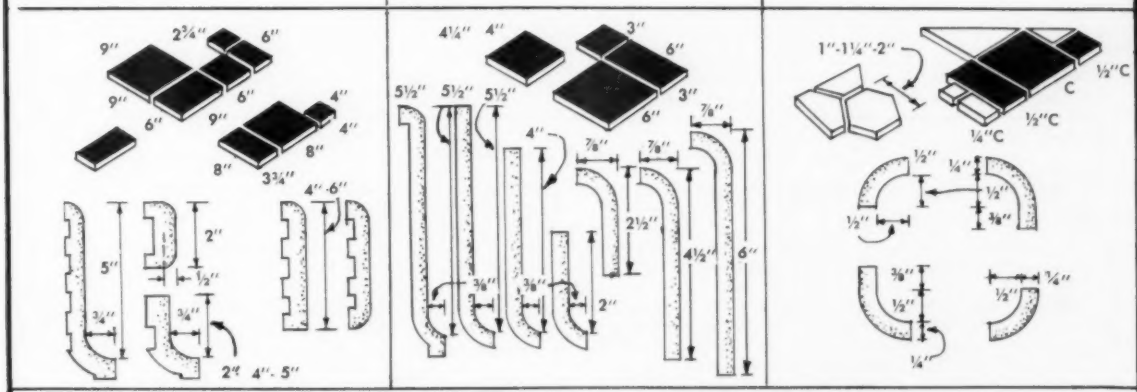
UNGLAZED CERAMIC MOSAIC TILE

PAVER TILE

The basic shapes for flat Paver Tile are shown in black. For the coves and caps there are the complementary corner pieces available. Consult the Tile Contractor if other shapes are required for special conditions. The sizes shown are nominal dimensions and will have a slight tolerance.

CERAMIC MOSAIC

The series of sizes of Ceramic Mosaic is usually referred to as the 2" or the 1-9/16" series. Actually there are slight variations, according to the practice of manufacturers as follows: C = 2", 2-3/16", 1-9/16" or 1-15/16". Basic shapes are shown in black on the drawing. Pentagon and Octagon shapes are made by some manufacturers. For both Coves and Caps there are complementary corner pieces available.



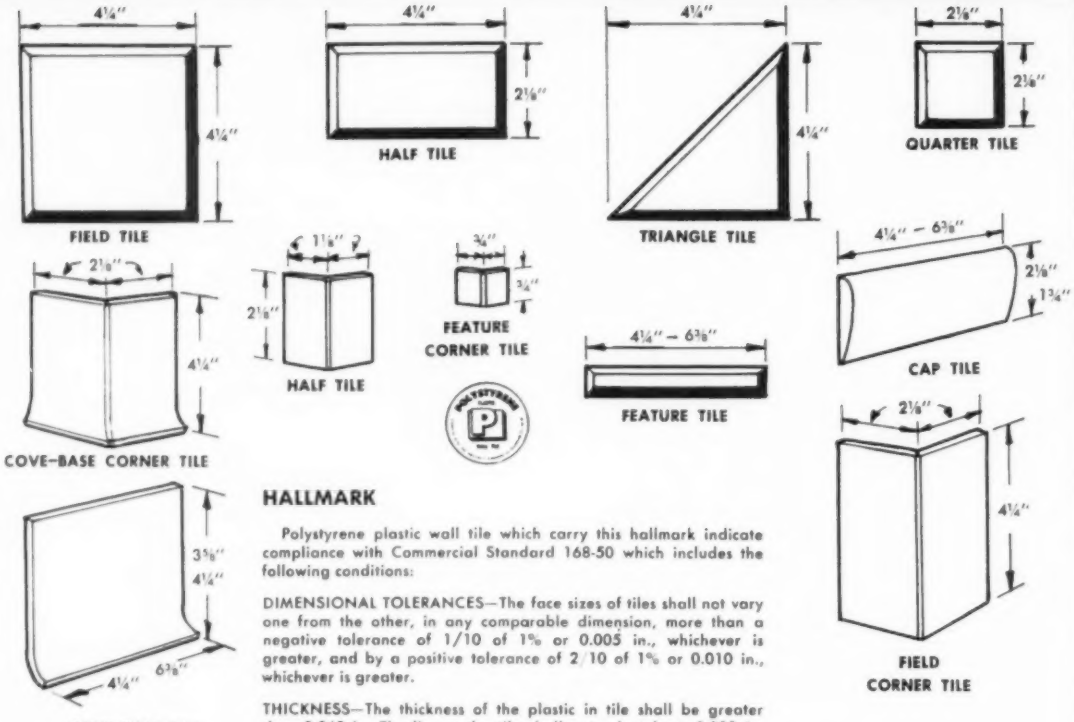
NOTE: In the industry today, ceramic tile is set (1) with cement mortar; (2) with organic adhesives, and (3) with cement mortar —using a newly-developed thin-setting bed method. Information on all three methods may be obtained from the Tile Council of America, Inc., 800 Second Ave., New York 17, N. Y.

Courtesy Tile Council of America

14

FLOOR, WALL, CEILING MATERIAL

Plastic Tile Standards



HALLMARK

Polystyrene plastic wall tile which carry this hallmark indicate compliance with Commercial Standard 168-50 which includes the following conditions:

DIMENSIONAL TOLERANCES—The face sizes of tiles shall not vary one from the other, in any comparable dimension, more than a negative tolerance of 1/10 of 1% or 0.005 in., whichever is greater, and by a positive tolerance of 2/10 of 1% or 0.010 in., whichever is greater.

THICKNESS—The thickness of the plastic in tile shall be greater than 0.062 in. The lip on the tile shall extend at least 0.033 in. beyond the back of the tile.

ESTIMATING AND DESIGNING FACTORS

(Based on 4¼ x 4¼ Tile)

LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE
4¼"	1	3'-10¾"	11	7'- 5¼"	21	10'-11¾"	31	14'- 6¼"	41	18'- 0¾"	51
8½"	2	4'- 3 "	12	7'- 9½"	22	11'- 4 "	32	14'-10½"	42	18'- 5 "	52
1'- 0¾"	3	4'- 7¼"	13	8'- 1¾"	23	11'- 8¼"	33	15'- 2¾"	43	18'- 9¼"	53
1'- 5 "	4	4'-11½"	14	8'- 6 "	24	12'- 0½"	34	15'- 7 "	44	19'- 1½"	54
1'- 9¼"	5	5'- 3¾"	15	8'-10¼"	25	12'- 4¾"	35	15'-11¼"	45	19'- 5¾"	55
2'- 1½"	6	5'- 8 "	16	9'- 2½"	26	12'- 9 "	36	16'- 3½"	46	19'-10 "	56
2'- 5¾"	7	6'- 0¼"	17	9'- 6¾"	27	13'- 1¼"	37	16'- 7¾"	47	20'- 2¼"	57
2'-10 "	8	6'- 4½"	18	9'-11 "	28	13'- 5½"	38	17'- 0 "	48	20'- 6½"	58
3'- 2¼"	9	6'- 8¾"	19	10'- 3¼"	29	13'- 9¾"	39	17'- 4½"	49	20'-10¾"	59
3'- 6½"	10	7'- 1 "	20	10'- 7½"	30	14'- 2 "	40	17'- 8½"	50	21'- 3 "	60

HOW TO USE THIS TABLE

This table can be valuable to the designer and estimator in several ways.

1. In designing or layout, the number of courses of tile can be ascertained, for any required height or length of wall.

Example: Assume that a wainscot height of 4'-6" is desired and it is required to know the number of tiles necessary to approach this dimension. Checking the table it will be found that 13 tiles give a course height of 4'-7¼". If desirable to hold close to the 54" dimension, 12 full tiles may be finished with a half tile or cap of 2⅛" giving a total height of 4'-5⅛".

2. Estimating tile quantities for a given area.

Example: Length of wall in lineal feet—17'-0'
Height of wall—5'-8"
Number of tile in 17'-0" = 48
Number of tile in 5'-8" = 16
48 x 16 = 768 tiles required.

3. Estimating the number of pieces of 4¼" cap, base or feature strip required for lineal feet of wall.

Example: Assume total lineal feet of wall to be tiled to be 48 feet.

Consulting the table it will be found that 34 pieces are needed for 12 feet. Therefore: 34 x 3 = 102 the total number of pieces required.

Courtesy The Society of Plastics Industry, Inc.

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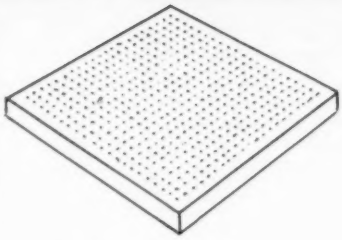
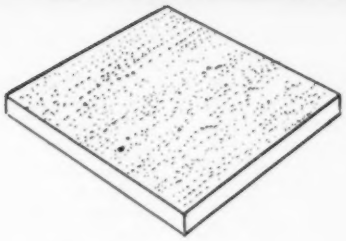
FLOOR, WALL, CEILING MATERIAL

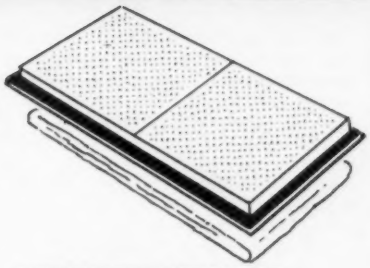
Acoustical Ceiling Tile



CELLULOSE-FIBER TILE



MINERAL TILE



PERFORATED METAL TILE

There are, of course, very definite acoustical properties in the tiles shown here, and, as you might expect, the amount of sound absorbtion varies with the material, thickness, density, etc. of the product. This variance is measured in n.r.c., or Noise Reduction Coefficient. We mention this because you might be led to compare the materials and products strictly on their n.r.c. rating. This would be a mistake, since the variance is seldom one that the human ear can discern. This is particularly true in the home.

When choosing tile, it is best to take *all factors* into consideration. This would include: appearance, light reflection, thickness, moisture resistance, maintenance, insulation value, ease of installation, flame resistance and cost.

The standard size of this tile is 12"x12", although nearly all are available with other dimensions and with a variety of thicknesses. Some data on the types shown above:

Cellulose-Fiber Tile: Generally lower in price than other units; subject to some dimensional changes due to moisture content; also available with a flame-resistant finish; can be made termite, fungi and dry-rot proof by special manufacturing processes.

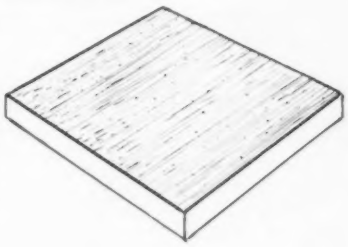
Mineral Tile: Are classified Class A Incombustible; are slightly more expensive than cellulose-fiber; are used often when special artistically decorative effects are desired.

Perforated Metal Tile: Is used commercially most of the time; has a mineral wool pad in back of metal; has highest acoustical efficiency of commercial acoustical tile; is used frequently where long-range economy of maintenance is important.

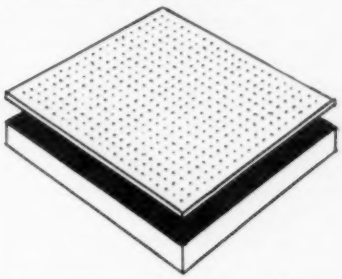
Glass-Fiber Tile: Also has an incombustible rating; has good moisture resistance; some tiles have thin plastic membrane covering which makes them washable.

Perforated Asbestos Tile: Especially important for its moisture resistant qualities; has high acoustical qualities as well; often used in radio studios, etc., where sound absorbtion is important.

Courtesy Acoustical Materials Association

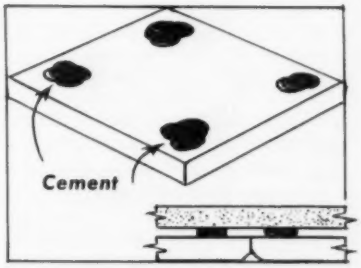


GLASS-FIBER TILE

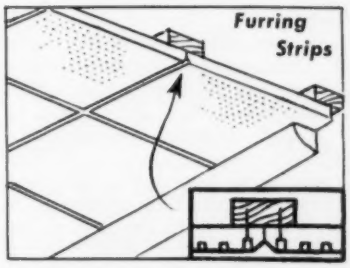


PERFORATED ASBESTOS TILE

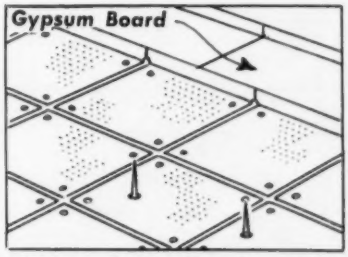
Cementing: When cementing on plaster, be sure plaster is sized or properly painted (in new or remodeling work). Can also cement to gypsum board. A dab of cement at each corner is all that is necessary. Check with manufacturer for proper adhesive.



Nailing: Wood furring strips, 1" x 3" may be used as a base for nailing or stapling where surface of ceiling is rough. On new work, it is often possible to nail strips directly onto bottom of joists. Nails should be driven beyond surface of tile with nail set; or by mechanical means.



Screwing: This method is generally used when floor above will be subjected to vibration. Material can be screwed to furring strips or to gypsum board backing. Finished level of ceiling is governed by care and accuracy with which gypsum board is installed.



NOTE: A fourth method—mechanical suspension—is often used industrially and commercially where special conditions prevail. For information, consult your manufacturer.

14

FLOOR, WALL, CEILING MATERIAL

How to Sound Condition a House

PLANNING FOR SOUND CONTROL

Determining how best to sound condition a building will often require the services of a sound engineer. He may be particularly needed when problems of acoustics are concerned with churches, schools and larger institutional buildings. But there are many things that you, as a home builder, can do to cut down the noise problem in your houses. Perhaps the most basic approach to the problem is a builder's awareness of the necessity to plan for sound insulation before he builds. This plan for sound control takes three forms: 1. *planning the siting and location of the house* with sound values in mind (see Table I); 2. *segregating the living functions* within the house (see Table II), and 3. *building in sound control* (see drawings in Table III).

The major problem in building-in noise control is a problem of *sound insulation*—the reduction of noise passing through walls, floors and ceilings. *Sound absorption* requires only surface treatments, such as acoustic tiles, either nailed to furring strips or applied with mastic. Sound insulation usually involves basic structural procedures (as shown in the drawings below). Acoustical ceiling tiles should be installed at the time of construction to avoid the extra cost of a double ceiling finish. Sound-insulating walls and floors, on the other hand, are integral parts of the building.

There are a few other cures for noise within the house. Noise-producing rooms, particularly baths and utility rooms, should be provided with sound-proof doors and efficient sound-insulating walls and floors.

In houses, especially two-story structures, the problem of impact noise is often of considerable importance. Choice of floor coverings will help in reduction of impact noise.

Reduction of vibration-noise transmission is often a problem in houses with warm-air furnaces, year-round air conditioners, and various types of kitchen and laundry appliances, which are fastened to the floor. Special felt, cork, or rubber mounts are available. These can greatly reduce this type of impact noise transmission.

To reduce vibration noise through duct systems it is possible to use insulating duct liners or acoustical filters. But the best practice is to avoid the need for such treatments by specifying tight and rattle-proof ductwork and quiet-operating fans or blowers.

Plumbing noises can be annoying and precautions should be taken to minimize these sounds as much as possible. The worst noise is usually that from the toilet. But quiet-flushing, whirlpool-type equipment can be purchased at only a slightly higher cost. Drain lines should be isolated from the structure—free standing—or should be insulated with felt or some other form of insulation.

TABLE I: ENVIRONMENTAL FACTORS

community

1. Zoning regulations against noise-producing, nonresidential uses of your land.
2. Adequate distance from shopping centers, railroads, truck routes and super highways. Sufficient distance so that noise produced by these elements will be almost indistinguishable from the background noise level.
3. Avoidance of airports and regular air lanes.

site

1. Location on a street with a minimum of through traffic, a cul-de-sac being preferable.
2. Reasonable distance from noise-producing community buildings such as schools, hospitals, fire houses, churches.
3. Restrictions in the zoning or deed of sale making it impossible for homes to be built too close to existing houses.

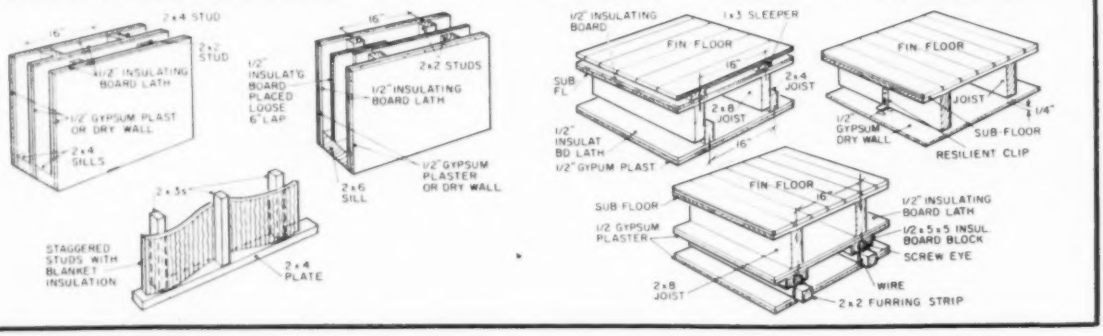
location

1. Suitable distance from street to avoid street noises.
2. Orientation of house so that existing land contours and any plantings will serve as acoustical barriers.
3. Safe distance from possible noises at rear of lot. If possible plan protection from play yards and workshops.
4. When necessary, planning for outdoor acoustical barriers between the house and noise sources. Brick or stone walls, solid-wood fences, earth embankments, plantings help.

TABLE II: HOUSE PLANNING FACTORS

1. Windowless wall or garage or both located as sound barrier against the greatest source of noise (street, neighbors, shopping center, etc.).
2. Separation of quiet rooms from noise-producing rooms by distance: bedrooms away from living, food preparation, and utility rooms; studies isolated from play areas, hobby rooms, party rooms, workshops, etc.; places for quiet conversation protected from general living area by separation or by placing in an alcove off the main living room, etc.
3. Placement of bathrooms, hallways, utility rooms, and other usually quiet areas to serve as sound barriers between various quiet rooms and the noise-producing areas. Placement of fireplace and other interior masonry walls to serve the same purpose.
4. Insulation against sound transmission between bedrooms by closets built against regular walls. Avoidance of "closet walls" which have only a thin plywood or fiberboard backing as the barrier between two rooms.
5. Inclusion in plan and specifications for noise-producing rooms of adequate sound-absorbing treatment, either by design of furnishings or specification of acoustical materials, or both. This sound-planning is particularly important in moderate-sized homes with open kitchens, combined living-dining room areas, and general "family rooms," and also in children's playrooms and adult workshops.

TABLE III: WALL CONSTRUCTION . . . . . .FLOOR AND CEILING CONSTRUCTION



14

Everything you need
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wall and ceiling tile...
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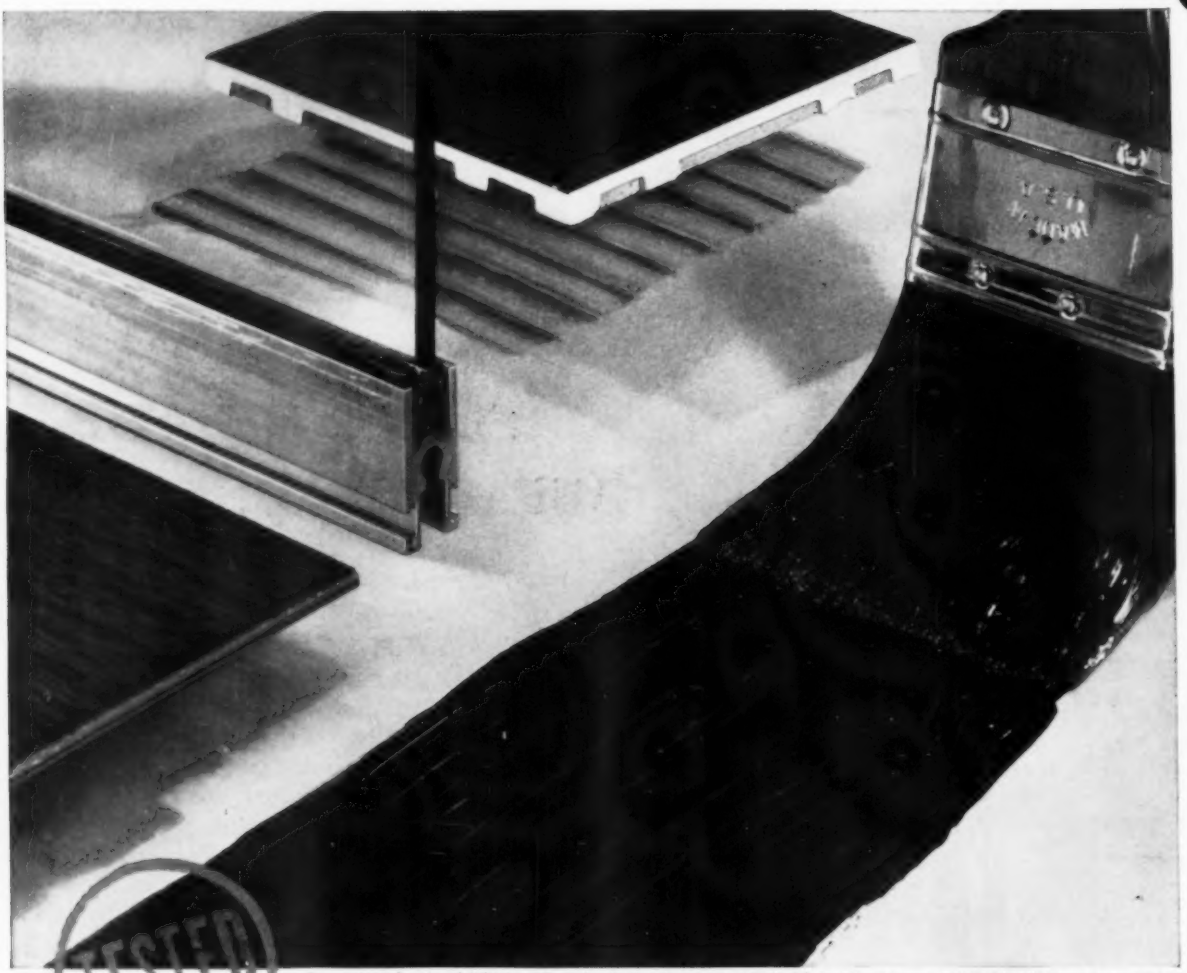
Step up to the Flintkote-Atlas line of building adhesives—one of the broadest lines in the industry. It's backed by a powerful consumer advertising campaign that keeps it an ever-increasing favorite: Life! Saturday Evening Post!...and many other leading big-circulation magazines. Colorful literature and hard-hitting selling aids available. For particulars, write: The Flintkote Company, Flooring and Adhesive Division, 30 Rockefeller Plaza, New York 20, N. Y. Or, see your Flintkote-Atlas representative. He's a great guy to do business with...and he really knows his builders adhesives.

FLINTKOTE

America's Broadest Line of Building Products

Atlas
BUILDERS ADHESIVES

Meet Flintkote salesman Harry Vorperian...with one of the broadest lines of builders adhesives in the industry.



Shown, front, Coro-Gard® 1706 Brand Protective Coating. Back: (l to r) Roltite® Contact Bond Cement, WEATHERBAN® Brand Sealer, CTA-50

TESTED

PROVED! 3M gives you a complete line of quality adhesives, coatings and sealers for building

For example: **WEATHERBAN® Brand Sealer** has proven flexible and strong after 10 years' weather exposure. It outlasts conventional caulking many times over, provides excellent weather resistance without shrinkage for masonry, glass, aluminum, curtain wall construction.

3M Ceramic Tile Adhesive CTA-20 supports more than ½ ton per tile after 7 days' water immersion. Together with its solvent base counterparts—CTA-11 and CTA-12 plus water-dispersed CTA-50—it offers strength and water resistance from 100% to 900% above standard requirements.

Roltite® Water Base Contact Cement—for plastic laminates and plywood, was developed to end special safety precautions. Nonflammable during application, it offers good workability, plus good heat and water resistance.

Coro-Gard® 1706 Brand Protective Coating gives longer life to rain gutters, downspouts, concrete walls, metal roofs, wood storage sheds, and similar surfaces. Resistant to water, oil, acids, alkalis and weather extremes, it has been thoroughly proved in the laboratory and in field use.

Use 3M building products with complete assurance that they provide the best in durability, consistent quality and long-range economy. For free literature, see your 3M distributor. For more information, see Sweet's Catalog, or write: AC&S Division, 3M Company, Dept. SBE-40, St. Paul 6, Minnesota.

®"Coro-Gard," "WEATHERBAN" and "Roltite" are Reg. T.M.'s of 3M Co.

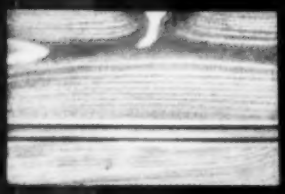
ADHESIVES, COATINGS AND SEALERS DIVISION

MINNESOTA MINING AND MANUFACTURING COMPANY

. . . WHERE RESEARCH IS THE KEY TO TOMORROW

3M COMPANY

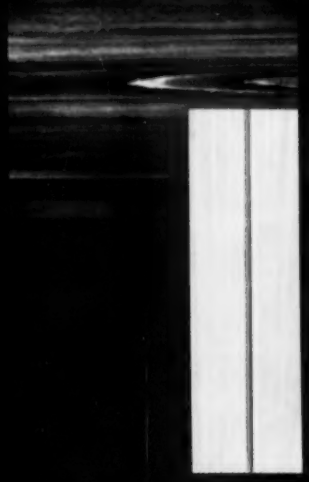
ONE IDEA CAN SELL A HOUSE →

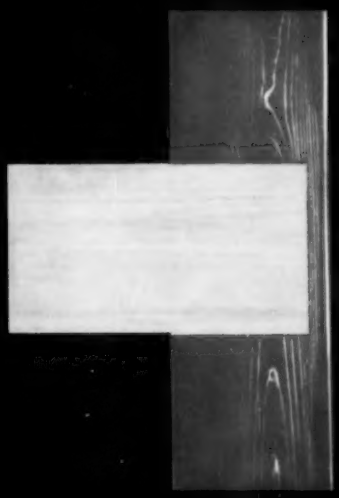


Lighthearted indoor-outdoor living...

with right-for-color woods of the

WESTERN PINE REGION*





Western Pine Region woods blend interior and exterior of this indoor-outdoor room. Rear wall is paneled in Ponderosa Pine, and finished in Shadowy Shoshone. The side wall (extending outdoors) is rough sawn, board and batt Incense Cedar finished in a contrasting blue. The ceiling is rough sawn Douglas Fir.

Make your idea the right-for-color woods of the WESTERN PINE REGION*

You've seen it happen. One unusual idea can mean the difference between a sale and "no sale."

For a **custom touch,** seen by millions of readers of **American Home** and **Better Homes & Gardens,** panel a room with Western Pine Region woods. Then finish the paneling in a bright or pastel color.

The effect: modern, individual interiors . . . a quality touch that captures the attention of your prospects.

The result: faster selling homes.

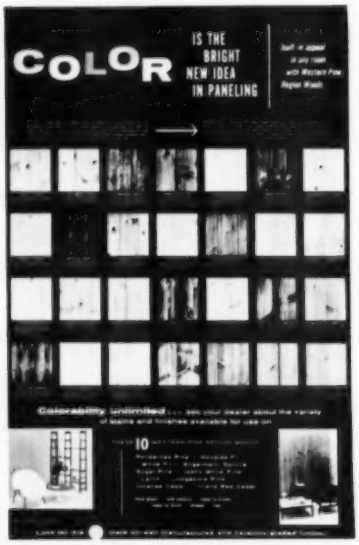
For more information about color-finishing Western Pine Region woods – write for "Nature Makes News." This complete book features full-color photos of wood-paneled interiors. It suggests ways of creating unusual colors and surface textures. Shows methods of installing paneling for exciting effects.

How-to-do-it instructions cover sanding, sealing, choosing and mixing colors, highlighting grain and knots, applying finish coats.

HELPFUL HOME SALES AND MERCHANDISING AIDS—ORDER A SAMPLE PACKAGE. FIND OUT HOW TO GET ADDITIONAL COPIES. MAIL THE COUPON BELOW.

POSTER

Measures 2′ x 3′, in full color. Shows your customers the wide range of colors possible with Western Pine Region woods.



IDENTIFICATION SIGN

Displayed in your sample home . . . this sign lets prospective buyers know that you have used a reliable, nationally advertised paneling material . . . the right-for-color woods of the Western Pine Region . . . that give your home a custom-quality look.

Western Pine Association

member mills manufacture these woods to high standards of grading and measurement . . . grade stamped lumber is available in these species

***Idaho White Pine • Ponderosa Pine • Sugar Pine**
White Fir • Incense Cedar • Douglas Fir • Larch
Red Cedar • Lodgepole Pine • Engelmann Spruce

TODAY'S WESTERN PINE TREE FARMING GUARANTEES LUMBER TOMORROW

Western Pine Association
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Please send me a free copy of "Nature Makes News." Include a sample package of home sales and merchandising aids for builders.

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"What's **different** about the house?"... that's what Sunday "lookers" ask themselves. Successful builders know this . . . know that rich, colorful, practical floors can make the difference that sticks in the prospect's mind. That's why smart builders feature nationally-advertised Matico Tile . . . the tile of dramatic, lasting colors and patterns . . . easy to install . . . easy on the eyes . . . easy on the housewife! And Matico Tile is priced to keep **your** costs down too!

See the results yourself when you install Matico Tile throughout your next project.

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The Ruberoid Co.
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Please send me information on Matico's Builder Program

Name .....

Address .....

City ..... Zone ..... State .....

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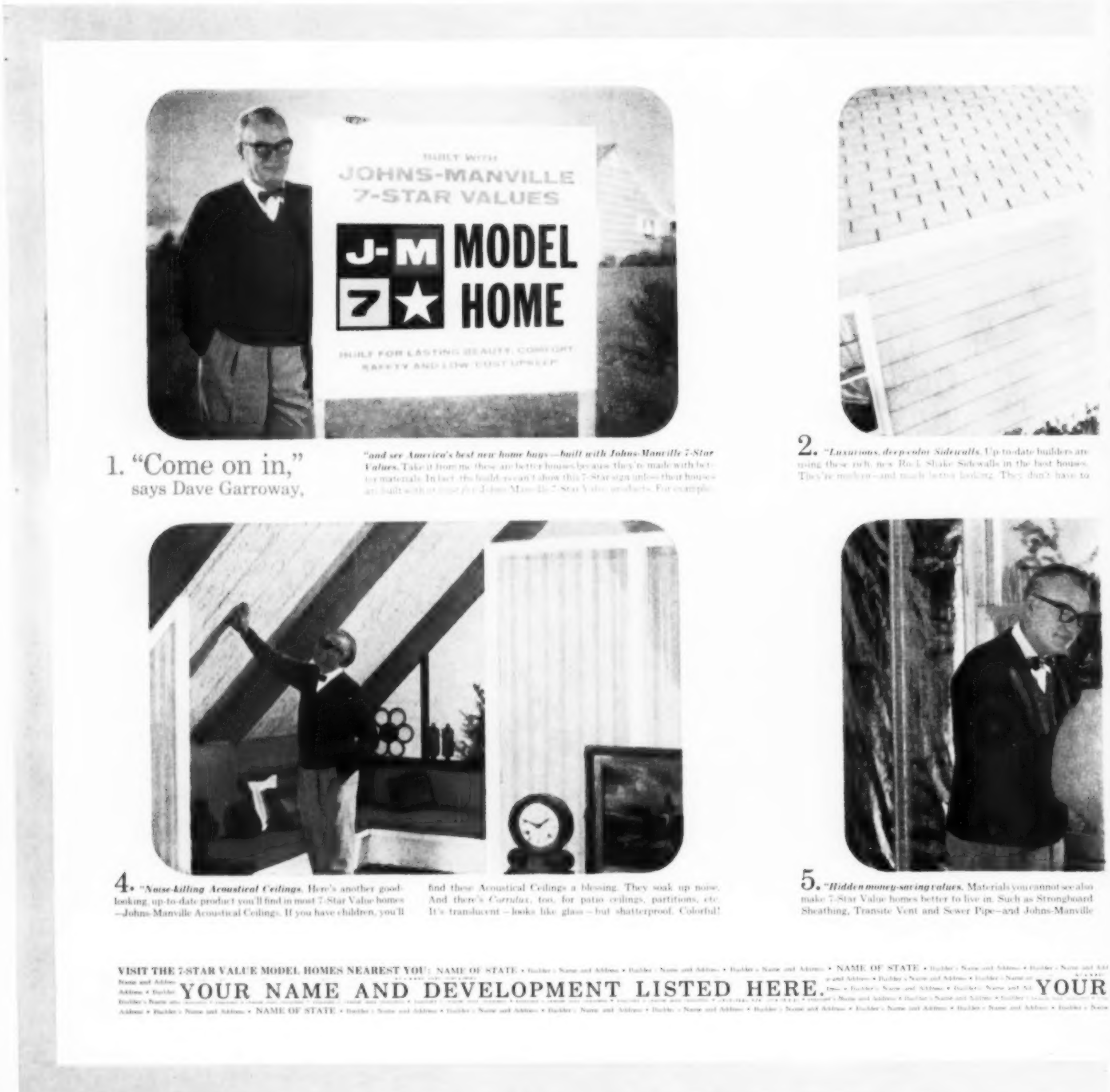


Look for this spectacular 3-page front cover ad in LIFE June 20

New J-M 7-Star Value Program Builds Traffic to Help You Sell More Homes

Here's how Johns-Manville will be telling your prospects about the quality homes you build . . . in this spectacular advertisement in LIFE June 20th that carries your development name and address so people will know how to find you. Network TV and other national advertising will be working for you, too.

You are getting strong *local* support, too . . . advertising in the newspaper your prospective buyers read, plus the help of a big, sales-loaded kit of selling helps . . . newspaper mats for you to use . . . hints and helps on publicity, displays, how to make your model home really sell for you . . . radio and TV scripts. There's an opportunity to use "Mrs. America" or "Mrs. Your State" to publicize your development, too.

be painted to preserve them. They stay clean and can't burn or rot. And on the roof, 7-Star Value builders put Johns-Manville Seal-O-Matic Shingles—that not even a hurricane can budge.

3. ***"Glamorous modern floors, easy to clean.*** Today, most 7-Star Value builders give you the very latest thing in flooring—glamorous vinyl-asbestos Terraflex Floor Tile. Why? They're not only smart and beautiful—they're by far the easiest floors of all to clean. J-M Terraflex Floor Tiles come in many exciting colors and patterns, and you can put rugs on them or not, as you please.

Fiber Glass Home Insulation, which saves up to 30% on heating bills. Remember, 7-Star Value products are also available to you for home improvements—at your Johns-Manville Dealer.

6. ***"This key-keeper by Drexel, $4.00 value only $2.00 plus coupon.*** Our way of saying 'Thank you for coming in' to our 7-Star Value model homes! It's a solid walnut Colonial key-rack with a moisture-proof container for ivy. Ask the builder for a coupon that entitles you to get this exclusive $4.00 value for only $2.00. Mail the coupon, with cash, check or money order. PEACE!"

NAME AND DEVELOPMENT LISTED HERE.

JOHNS-MANVILLE

WATCH DAVE GARROWAY ON THE NBC-TV "TODAY" SHOW

If you haven't signed up as a 7-Star Value Builder, there's still time for you to take fullest advantage of the all-new 1960 J-M 7-Star Value Program. Act now. Call your Johns-Manville Representative today. Or write Johns-Manville, Box 111, Dept. AB-4, New York 16, N. Y. In Canada, address Canadian Johns-Manville Ltd., Port Credit, Ontario.

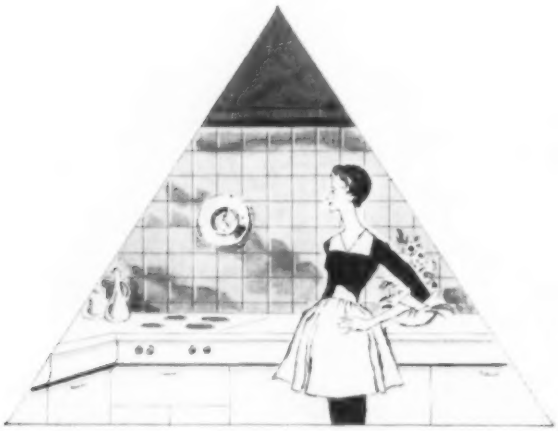
TESTED TRAFFIC BUILDER! *This Drexel "Key Keeper" will be featured by Dave Garroway, star of NBC's "Today" Show, and in national magazine advertising. Your prospects will see it, want it. The ONLY way they can get this attractive colonial-styled premium is by picking up a coupon at your 7-Star Value Model Home and mailing it in for their Key Keeper—a certified $4.00 value for only $2.00.* This exclusive offer, a first in home-building, will bring more people to your model home.*

*(*Also available in Canada.)*

JOHNS-MANVILLE PRODUCTS

JOHNS-MANVILLE

COPPER GLAZE AND BRUSHED ALUMINUM WALL TILES



Offer your customers the magnificent Vikon line of decorative, colorful wall coverings . . . including the two exciting *new* finishes—Copper Glaze and Brushed Aluminum tiles. Attractively-grained, lightweight aluminum bases coated with a clear colored enamel, achieve the costly appearance of pure metal . . . and Vikon's secret for years of success has always been superb quality at economical prices.

Find out about the entire line of profitable Vikon tiles by sending for our completely illustrated catalogue, "All About Vikon."

Also available from Vikon are solid copper, stainless steel, brass glaze, enameled aluminum, and porcelain on aluminum tiles.

VIKON Tile Corporation
Washington, N.J.

BRAND NAMES DIRECTORY

(Continued from page 282)

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SLIDE-O-MATIC Storm King Corp
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SLIDERITE Grant Pulley & Hdw Corp
SLIK-TYPES LIME Ash Grove Lime & Portland Cement
SLIMFOLD American Steel Door Co
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SLIP-JOINT Logan Clay Prods Co
SLUMBER GLO Rodale Mfg Co Inc
SLUMPSTONE General Concrete Prod
SMALMESH Inland Steel Products Co
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SMOOTHLITE Insulite Div
SNAP York Wall Paper Co
SNAPICALK Seal Rite Caulking Co
SNAPICOIL Wiremold Co
SNAPIT Cable Electric Products Inc
SNAP-JOINT Victaulic Co of America
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SNAP-ON Ideal Brass Works Inc
SNOW DRIFT United States Gypsum Co
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S-N-S SHIELDS U S Expansion Bolt Co
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SOLEX Pittsburgh Plate Glass Co
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SOLIDWOOD Hardwood Corp of America
SOLITE Oro Mfg Co
SOLO-TROC Sterling Faucet Co
SOLRAY Weil-McLain Co
SONITE Smooth-On Mfg Co
SONOAIRDUCT Sonoco Prods Co
SONOCOR Owens-Corning Fiberglas Corp
SONOFACED Owens-Corning Fiberglas
SONOLASTIC Sonneborn L Sons Inc
SONOMEND Sonnebord L Sons Inc
SONOPATCH Sonneborn L Sons Inc
SONOSHEEN Sonneborn L Sons Inc
SONOTUBE Sonoco Prods Co
SOUNDBILT Puget Sound Plywood Inc
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SOUTH-PLY-WOOD Southwood Corp
SOVEREIGN Miller Co
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(Continued on page 372)

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THE GENERAL TIRE & RUBBER COMPANY · Building Materials Division · Akron 9, Ohio

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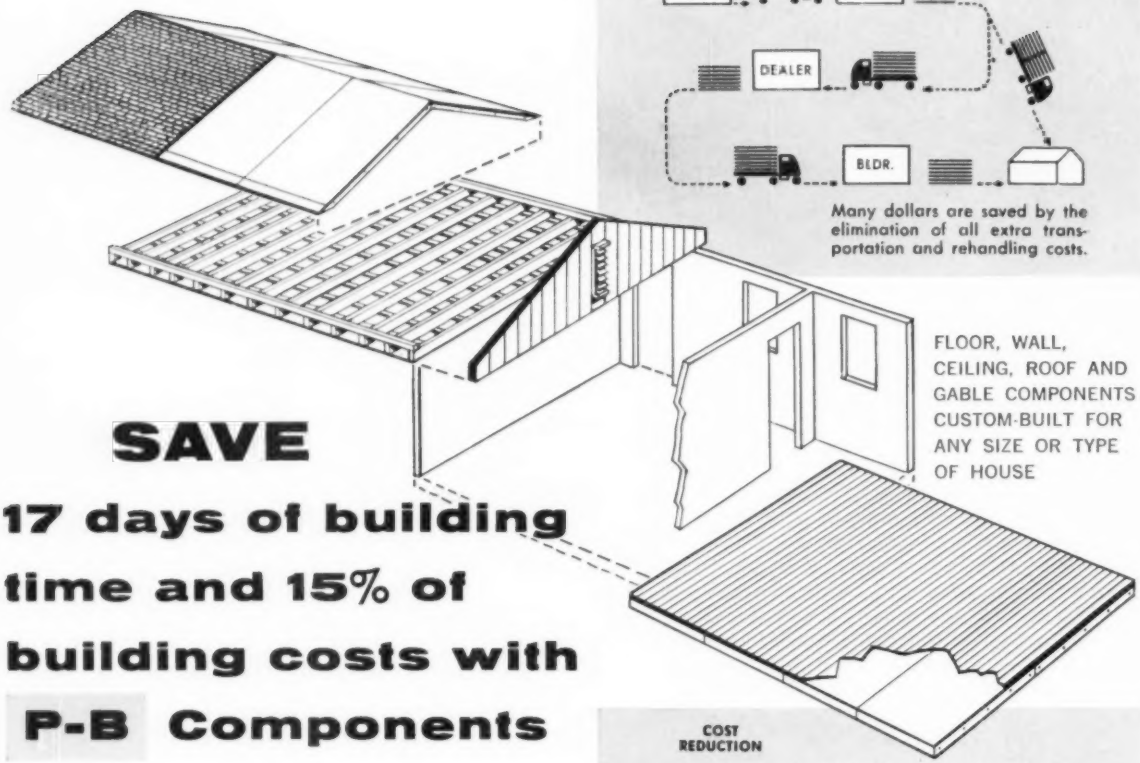

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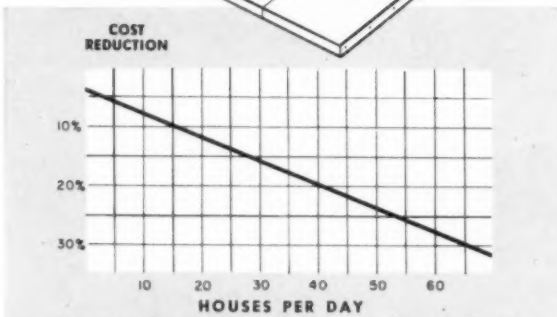
17 days of building time and 15% of building costs with P-B Components



This chart shows how costs go down as the centralized production of house components increases.

To sell top-quality, custom-built houses — at an adequate profit — you need both speed and economy. Your aim is to increase your production, without increasing your work force.

Translate 17 days into man-hours . . . that's 544 hours for a 4-man crew. On a 5-day week basis, 17 days becomes 23 days of total elapsed time — a saving of almost 13 weeks a year.

With P-B Components you save this time; you also save 15% of your building costs. Here's why.

We have 24 years' experience in the building of the major house components. No other firm offers comparable experience. All this experience points to one fact . . . the centralized building of Precision-Built House Components — *by the building materials distributor* — cuts costs for everybody. Whatever your volume, you save 15% or better.

When the distributor handles the fabrication, many handling and rehandling costs are eliminated. The component parts come direct from the distributor to your site. Meantime, you are sharing in his far larger volume discounts.

With P-B Components — walls, floors, ceilings, roofs and gables — you build any type or size of house. Every component is custom-built to carry out your plan. This increases your selling strength. *You give the home buyer any house he wants—2 to 4 months sooner than by conventional methods.* You are equipped to compete profitably with every type of prefabricated housing.

P-B floor components, normally in large sections, approximately 100 sq. ft., include joists, headers, insulated underflooring and factory-finished hardwood flooring. (These panels are covered with a Sisalkraft-type paper as soon as installed.) The exterior wall components have either the sheathing and/or exterior finish applied and the finest of all drywall (Homasote) on the interior. The interior partition components come with the same drywall on both sides. Wall components are generally *room size or longer.* Ceiling components combine joists, strapping and Homasote ceiling panels. Roof components are made up of rafters, ridge, eave and insulated sheathing.

The average house is closed in the first day and completed in 1 to 3 weeks. Three weeks' completion means that one crew builds 17 houses per year instead of 6.

You buy your P-B Components through your local lumber dealer. If he does not yet know about this method, ask him to contact us.

Stop doing things the slow way! Make us prove our claims. Let us show you in complete detail just how this plan works for you—in your territory. Write or wire today—to Department D-4.

PRECISION-BUILT House Components

HOMASOTE COMPANY

Trenton 3, New Jersey

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"Sure it looks like cork but can I afford it in my $12,000 homes?"...

Absolutely! It's low-cost *Vina-Lux*® vinyl asbestos tile

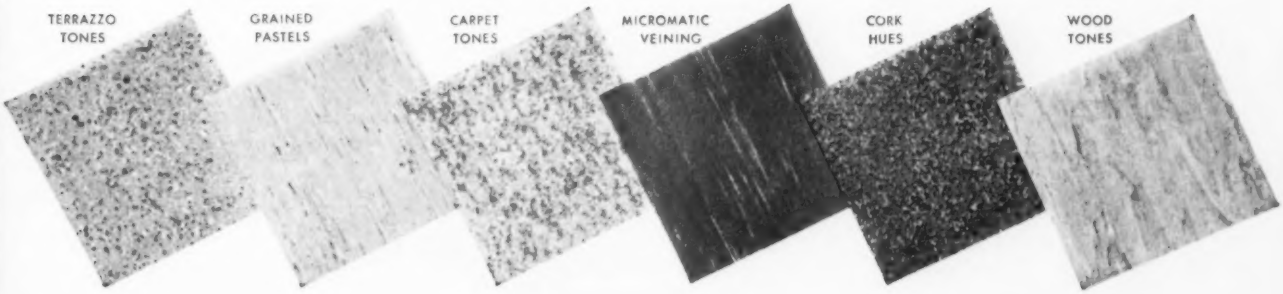
Vina-Lux vinyl asbestos tile in Cork Hues – a beautiful way to add the charm of cork and the value of vinyl to your homes – yet cut floor cost!

Now you can build more houses for less money, because Vina-Lux can be installed on or below grade over a concrete slab – today's lowest-cost construction method.

Vina-Lux national advertising helps pre-sell for you . . . and free model home merchandising kit, samples and "Vina-Lux Floor Styling Handbook" are yours for the asking. Write Today!

AZROCK FLOOR PRODUCTS DIVISION
UVALDE ROCK ASPHALT COMPANY
545A FROST BANK BUILDING • SAN ANTONIO, TEXAS

Over 50 colors and a style for every builder requirement



Roddis **CRAFTWALL**
genuine wood paneling
is "forever"...

Its beauty is guaranteed for the life of the home

The difference in cost is only "pennies" a year! Craftwall genuine wood paneling can give your homes quality *that shows.* Like the richness and warmth of this Sherwood Oak installation, now being advertised in *Better Homes and Gardens.*

Craftwall has that special beauty that home buyers are looking for. An authentic hand-rubbed glow that is protected from scuffs, stains and dirt by an exclusive Roddis finish. Craftwall never needs waxing, cleans with a damp cloth.

And Roddis guarantees, *in writing,* that Craftwall wood paneling will stay beautiful as long as the home stands.

Craftwall can give your homes the "touch of luxury" that means faster sales. Send the coupon today for information on all 9 popular Craftwall woods.

Builders' Craftwall Fact File on request

Roddis
does
wonderful things
with wood

Roddis Plywood Corp., Dept. AB-460, Marshfield, Wisconsin
Please send me the Builders' Fact File on Craftwall wood paneling.
Name _____
Firm _____
Address _____
City _____ State _____

HERE'S A FLOORING FEAT!

A GENUINE *Appalachian Hardwood* TILE

- ✳ PREFINISHED
- ✳ OPTIMUM STABILITY
- ✳ ADHESIVE INSTALLATION
- ✳ GOES DOWN FAST!

Lay Down Profit!

This revolutionary floor covering combines for the first time the glowing beauty of genuine Appalachian hardwood with speed and ease of installation. Best of all, these precise six-inch squares have DURA-TEST finish, eliminating costly on-the-job finishing and providing lasting luxury. Installed price compares favorably with lower priced materials, making a longer and faster profit for you!

SEND FOR SAMPLES AND LITERATURE!

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ADDRESS _____
CITY _____
FIRM _____

Hartco FLOR-TILE®

TIBBALS FLOORING COMPANY
Dept. AB-1, Oneida, Tenn.

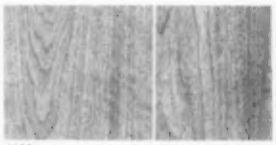
MARLITE RANDOM PLANK...*the finest in prefinished wall panels with the exclusive soilproof baked finish*

DANISH BIRCH

ENGLISH OAK

SWEDISH CHERRY

ITALIAN CHERRY


SWISS WALNUT

AMERICAN WALNUT

The beauty and warmth of Random Plank in these six new Trendwood® finishes make interiors more luxurious, more livable. The new Trendwood hues were developed especially for Marlite by the noted color experts, American Color Trends, to complement any decor in any room. This tongued and grooved ¼" thick paneling is 16" wide and 8' long. It goes up fast over furring strips or existing walls; lowers in-place costs. Ready to use without painting or further protection, plastic-finished Random Plank resists stains, mars and dents. It wipes clean with a damp cloth; stays like new throughout the years. Get complete details on this beautiful "wear without care" paneling from your building materials dealer, Sweet's File, or write Marlite Division of Masonite Corporation, Dover, Ohio.

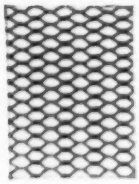
Marlite®

plastic-finished paneling

ANOTHER QUALITY PRODUCT OF MASONITE® RESEARCH

MILCOR®
Metal Lath and Accessories

METAL LATH



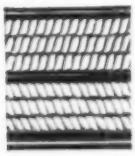
SMALMESH METAL LATH

General utility lath in a new design that's 5 ways better. Square, flat, uniform—easier for the contractor to handle and install, easier for you to warehouse. No side camber.

SHEET COVERAGE SIZE: 27" x 96".

MATERIALS AND WEIGHTS (lbs. per sq. yd.): Copper-bearing steel, painted—2.50, 3.40. Galvanized steel—3.40.

PACKING: 10 sheets (20 sq. yds.) per bundle. All sheets squared on both ends.



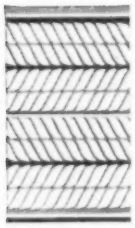
SPECIALMESH METAL LATH

Improved design. Flat-rib lath for interior walls and ceilings. Saves plaster, provides excellent bond. Well suited to two-coat work or back-plastering. Longitudinal stiffening ribs are 5/16" wide, spaced 1½" on centers. Cross-strands at ¼" intervals, reinforced by stiffening members (two between each pair of ribs).

SHEET COVERAGE SIZE: 27" x 96".

MATERIALS AND WEIGHTS (lbs. per sq. yd.): Copper-bearing steel, painted—2.75, 3.40.

PACKING: 10 sheets (20 sq. yds.) per bundle. All sheets squared on both ends.



NEW! 27"-WIDE ⅜" STAY-RIB LATH

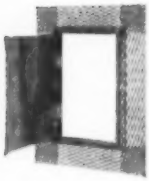
New design. 27" x 96" coverage plus adequate side and end lap. 13 ribs across width — for greater rigidity as a plaster base or as reinforcement for light concrete slabs.

SHEET SIZE: 27" x 96".

MATERIALS AND WEIGHTS (lbs. per sq. yd.): Copper-bearing steel, painted—3.40, 4.00.

PACKING: 10 sheets (20 sq. yds.) per bundle. All sheets squared on both ends.

ACCESS DOORS



STYLES A, K, L, M

Provide easy access to utility systems without damage to walls. Spring hinge allows opening to 175°. Number of hinges varies with size of door. Doors are removable.

STYLES: Style "A" for acoustical tile. Style "K" for plastered walls — with expansion wings. Style "L" for plastered or non-plastered walls — without expansion wings. Style "M" for masonry, brick, stone, tile, wallboard, etc.

SIZES: 8" x 8" to 24" x 36". (Special sizes available upon request.)

MATERIALS: Doors, 14-ga. steel (Style "A" door, 18 ga.); frames, 16-ga. steel. Rust-inhibitive, prime coat.

PACKING: One per ctn.

NEW! FOR ACOUSTICAL TILE OR PLASTER

Produce a virtually concealed installation. Tile or plaster covers recessed door panel so there is no interruption of acoustical surface. Style "A" — for acoustical tile. Style "B" — for acoustical plaster (has casing beads on door panel and frame for plaster protection).

SIZES: 12" x 12", 12" x 24", 24" x 24".

MATERIAL: Door, 18 ga.; frame, 16-ga. Style "A"—Steel. Style "B"—Ti-Co Galv. Steel. White prime coated painted.

PACKING: One per ctn.

CLEAN-OUT DOORS

Convenient for removing accumulations of fireplace ashes or chimney debris. Door catch provides positive lock, prevents door from being blown open. Hinge design permits freedom of opening and closing. Wide flanges on frame simplify installations.

SIZE: 8" x 8", 12" x 8".

MATERIAL: 16-ga. copper-alloy steel, painted.

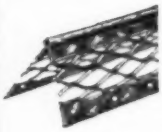
PACKING: 6 per ctn. Shipping weight: 8" x 8" — 15 lbs.; 12" x 8" — 21.5 lbs.

Part of the more than 4,000 Milcor products for the building industry. Write for price lists and catalog No. 202.

Stocked by Leading Dealers Everywhere

You can assure best quality construction with Milcor products . . . 57 years of making good products better

CORNER BEADS



NEW! RIGID BEAD CORNER BEAD

Combines the rigidity of solid metal with the positive plaster key of expanded metal. Spring-fit angle hugs tight to corner. Flange anchors securely — compensates for irregular framing. Tube-like nose permits easy splicing.

MATERIAL: 26-ga. tight-coat galvanized steel.

LENGTHS: 7, 8, 9, 10, 12 ft.

WEIGHT (per 1,000 lin. ft.): 160 lbs.

PACKING: 7 and 8 ft. — 80 pcs. per ctn. (8 bundles of 10 pcs.); 9, 10, and 12 ft. — 60 pcs. per carton. (6 bundles of 10 pcs.).

No. 1 EXPANSION CORNER BEAD

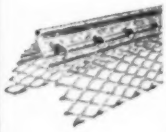
Wide expanded metal wing integral with nose of the bead —plaster keys right up to the nose. Gives effective plaster reinforcement exactly where needed.

MATERIAL: 26-ga. tight-coat galvanized steel.

LENGTHS: 7, 8, 9, 10, 12 ft.

WEIGHT (per 1,000 lin. ft.): 210 lbs.

PACKING: 7 and 8 ft. — 80 pcs. per ctn.; 9, 10, and 12 ft. — 60 pcs per ctn.



SUPER-EX CORNER BEAD

Combines advantages of expansion and solid wing corner beads. Strong, straight nose reinforced by two solid flange sections, strengthened by corrugations. Integral expansion flange makes excellent plaster bond, simplifies erection.

MATERIAL: 26-ga. tight-coat galvanized steel.

LENGTHS: 7, 8, 9, 10, 12 ft.

WEIGHT (per 1,000 lin. ft.): 270 lbs.

PACKING: 7 ft.—80 pcs. per ctn., 8 ft.—70 pcs., 9 ft.—60 pcs., 10 and 12 ft.—50 pcs.

CORNER-EX

Finished-edge corner reinforcement for inside corners. Accurately pre-shaped to 105° angle for snug, spring fit in a normal 90° corner. Center stiffener helps maintain correct angle and shape—guides Corner-Ex accurately into corner.

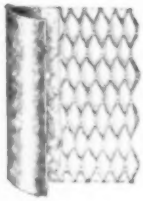
MATERIAL: Copper-bearing steel, painted.

SIZES: 2" x 2" x 96", 3" x 3" x 96".

WEIGHT (per 1,000 lin. ft.): 2"— 100 lbs., 3"— 140 lbs.

PACKING: 75 pcs. per ctn. (3 bundles of 25 pcs.).

CASING BEADS



EXPANSION AND SHORT FLANGE TYPES

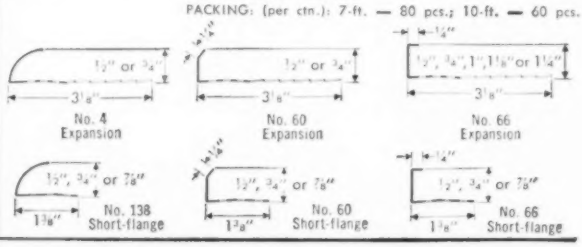
Create neat flush frame for doors, windows and other openings. Nos. 60 & 66 used extensively as terminals for plaster at points where plastered surface joins non-plastered surface.

MATERIAL: 24 gauge Ti-Co Galvanized Steel.

LENGTHS AND GROUNDS: 7-ft. and 10-ft. lengths. ½" and ¾" grounds. Short flange only also made for ⅞" grounds. No. 66 Expansion also made for 1", 1⅛" and 1¼" grounds for acoustical plasters.

WEIGHTS: (per 1,000 lin. ft.): No. 4 Exp. — 280 lbs.; No. 60 Exp. — 245 lbs.; No. 66 Exp. (½" and ¾" grds.) — 265 lbs.; No. 66 Exp. (1", 1⅛" and 1¼" grds.) — 310 lbs.; No. 60 S.F. — 200 lbs.; No. 66 S.F. — 210 lbs.; No. 138 S.F. — 235 lbs.

PACKING: (per ctn.): 7-ft. — 80 pcs.; 10-ft. — 60 pcs.



INLAND STEEL PRODUCTS COMPANY

DEPT. D, 4025 W. BURNHAM STREET • MILWAUKEE 1, WISCONSIN

BALTIMORE, BUFFALO, CHICAGO, CINCINNATI, CLEVELAND, DETROIT, KANSAS CITY, LOS ANGELES, MILWAUKEE, MINNEAPOLIS, NEW ORLEANS, NEW YORK, ST. LOUIS.

the right flair... everywhere

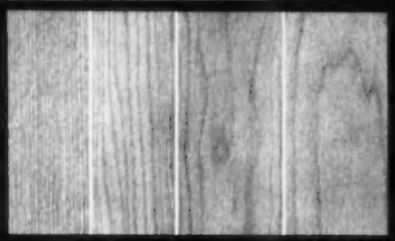
Whatever the application, flair adds interest. And the right flair makes more sales. Everywhere quality is called for, you'll find an incomparable richness in Poly-Clad Plywall—*at half the cost!*

As to beauty, you've twelve handsome wood grain finishes to assure the right touch for every taste. And all are *guaranteed against fading—in writing* . . . Poly-Clad protected to resist mars, scuffs, stains.

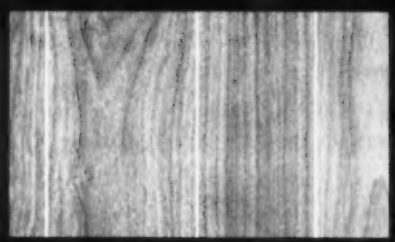
And that's not all! Now—you have Poly-Clad Plywall matching moldings—prefinished—ready to go right up. Nine styles and twelve matching finishes.

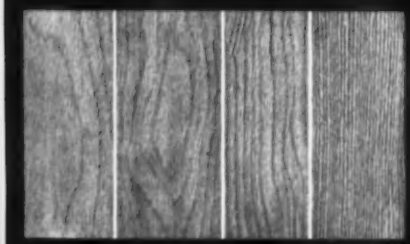
Add the right flair—everywhere—with Poly-Clad Plywall wood paneling.

Antique Cherry

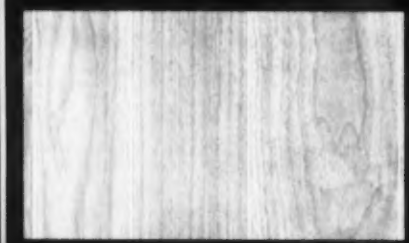

Ranch Oak

Honey Birch

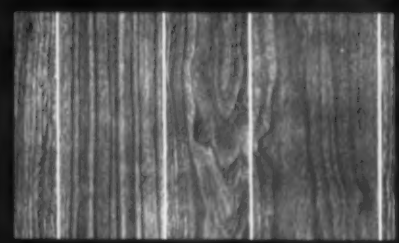

Rock Maple

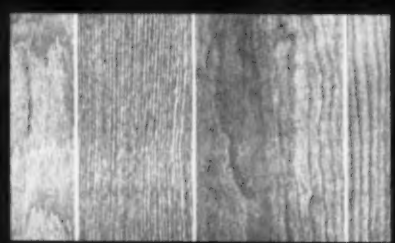

Sierra Oak

Blonde Walnut


Swiss Walnut

English Walnut


Williamsburg Cherry


Mojave Oak

White Oak

Salem Cherry

Available in 4' x 7', 4' x 8', 4' x 10' panels. V-grooved on 16" centers or plain.

the right choice... every time!

POLY-CLAD® Plywall

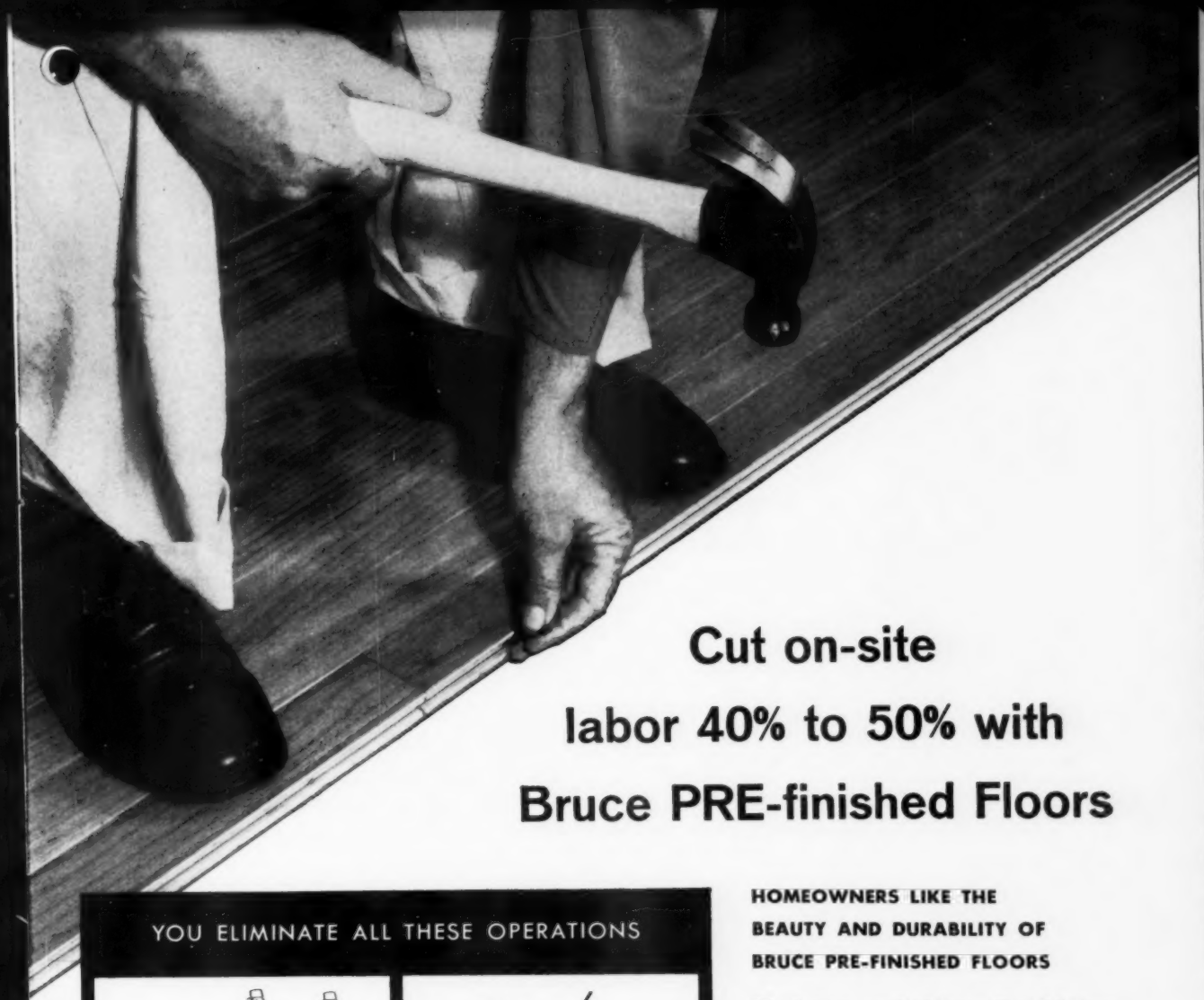
Whenever—wherever—paneling is proposed, you can combine beauty and quality with Poly-Clad Plywall—at less cost! There's an outstanding panel that's right for every purpose—living, dining, family rooms, basements, dens. Exceptional Poly-Clad protects the finish—preserves the richness—for years of care-free family living.

And Poly-Clad Plywall wood paneling is ready to go up! Prefinished. Guaranteed against delamination and structural defects. *The only paneling guaranteed against fading—in writing.* Matching moldings cut costs even more—to make this your most profitable paneling package.

More and more builders say: "Poly-Clad Plywall is the right choice—the best choice—for every paneling need!" See for yourself. Let your dealer show you how this unusual product fits your building requirements—gives you more quality at less cost—everywhere, every time.

Plywall Products Company, Inc.

Fort Wayne, Indiana / Corona, California



Cut on-site labor 40% to 50% with Bruce PRE-finished Floors

YOU ELIMINATE ALL THESE OPERATIONS

SANDING
(3 cuts)

APPLYING FINISH and FILLER
(2 or 3 operations)

WAXING and BUFFING
(2 operations)

ADDED TIME SAVED:
No slowing down work of other trades. No waiting for finishes to dry.

HOMEOWNERS LIKE THE BEAUTY AND DURABILITY OF BRUCE PRE-FINISHED FLOORS

The factory-applied Bruce Finish brings out the full beauty of Oak and keeps floors looking new year after year. Tests show this superior finish will outlast surface finishes 3-to-1 because it's baked into the wood. Durability has been proven in half-a-million homes.

Surveys show home buyers prefer Bruce Flooring by a wide margin over all other brands. This results from dependable quality and consistent advertising in leading national magazines. Builders find it pays to feature Bruce PRE-finished Oak Floors in their homes.

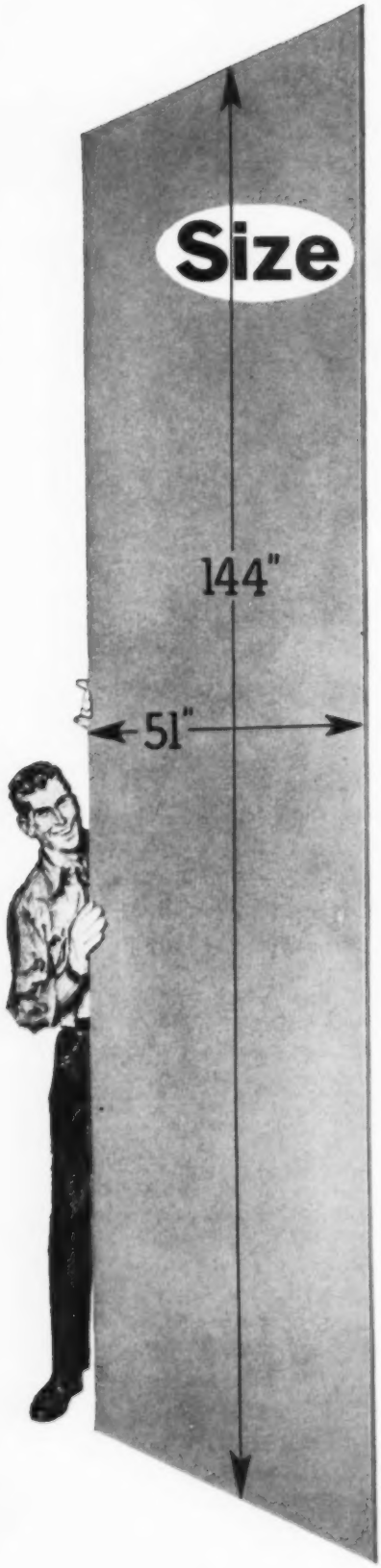
For complete information write:

BRUCE

E. L. BRUCE CO.
1648 Thomas Street
Memphis 2, Tenn.

Bruce PRE-finished Floors

Used in over half-a-million homes



Whatever the job you're working on...

Size is no problem with CONSOWELD Laminated Plastic

Consoweld's giant-size panels and cutting program offer you the broadest range of sizes in the industry!

Consoweld can fully meet your laminated plastic requirements with an absolute minimum of waste. Two things make this possible. First, the Consoweld distributor has a master manufacturing inventory of large-size panels (up to 51" x 144" for patterns and woodgrains; up to 60" x 144" in solid colors). Secondly, he has a carefully thought out cutting program designed to supply your needs for smaller sizes.

You get prompt service without being forced to buy more than your job requirements indicate. And, it is important to note that you get a greater selection of sizes from Consoweld than from any other source.

Have your dealer or fabricator contact your Consoweld distributor for complete details of the wide range of Consoweld panel sizes that are available.

Find CONSOWELD IN THE Yellow Pages

Look under Plastics in the Yellow Pages of your telephone directory.

CONSOWELD
LAMINATED PLASTIC

Consoweld Corporation, Dept. AB-46
Wisconsin Rapids, Wisconsin

I'm interested in using Consoweld's laminated plastic products. Please send me name of my nearest distributor for dealer contact.

NAME_____

ADDRESS_____

CITY & ZONE_____ STATE_____

POMONA'S CUSTOM-LOOK SELLS HER!!!!!

"Diamond," Distinguished Designer tile by Saul Bass.

FOR ONLY A FEW DOLLARS MORE

...And with the "lady of the house" Pomona's new "custom-look" in ceramic tile adds the fresh, unique appeal that makes *her* home different... helps to sell her faster, easier. You can have this "custom-look" *for only a few dollars more*... here's how... Simply include a few of Pomona's new Sculptured or Designer Tiles (usually seen only in more expensive homes) in a field of economical standard tiles as seen above. Because Pomona has the most extensive selection of designs and colors, this custom-look can be achieved in large tracts with no two installations alike. A new illustrated Idea Booklet for the Builder outlines the Custom-look Program and other Pomona Sales Aids in detail. Ask your Pomona representative for a copy or mail the coupon below today.

POMONA TILE MANUFACTURING CO.

POMONA TILE MFG. CO.
629 N. La Brea Ave.
Los Angeles 36, California

☐ Please send your illustrated brochure on the "Custom Look in Tile" (No. AB-1)

☐ Please have a representative call on me with full information

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CITY _____ STATE _____

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BRONZEGLOW® BIRCH

The most beautiful kitchen of them all...

...is stocked by 55 distributors across the country (see telephone book Yellow Pages)

...is built in one of the country's largest plants producing factory finished cabinets

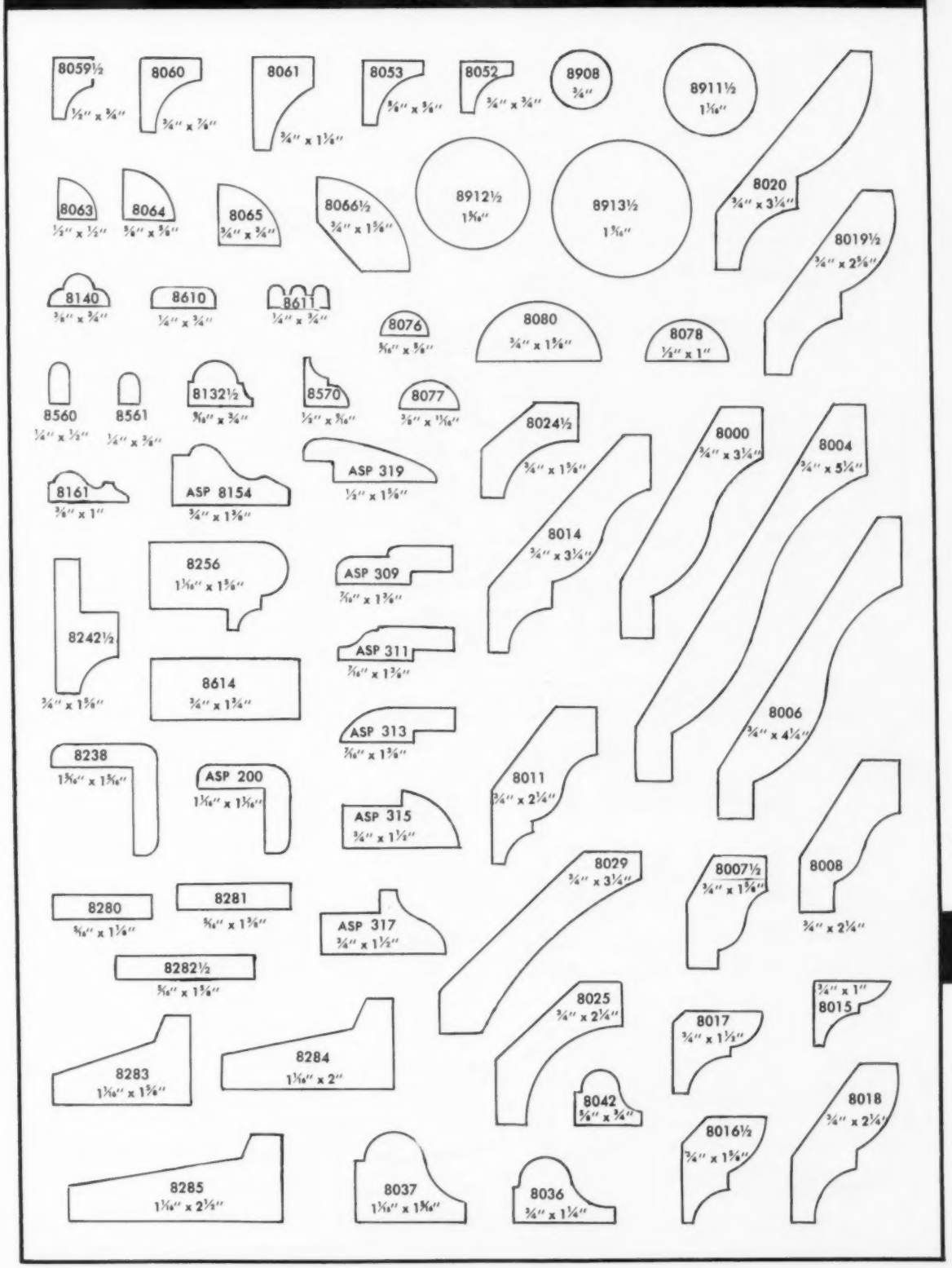
...is a product of exceptionally fine engineering both as to construction and finish

...is designed for maximum flexibility in kitchen planning and utmost ease of installation

...is contributing importantly to the sale of new homes in countless localities

MEMBER NATIONAL INSTITUTE OF WOOD KITCHEN CABINETS

H. J. SCHEIRICH CO., LOUISVILLE 9, KENTUCKY


8059½
½" x ¾"
8060
¾" x 7/8"
8061
¾" x 1⅛"
8053
5/8" x 5/8"
8052
¾" x ¾"
8908
¾"
8911½
1 1/16"
8063
½" x ½"
8064
5/8" x 5/8"
8065
¾" x ¾"
8066½
¾" x 1⅝"
8912½
1 5/16"
8913½
1 5/16"
8020
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8019½
¾" x 2⅝"
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3/8" x ¾"
8610
¼" x ¾"
8611
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8076
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8080
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8078
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8560
¼" x ½"
8561
¼" x 3/8"
8132½
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8570
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8077
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8024½
¾" x 1⅝"
8000
¾" x 3¼"
8004
¾" x 5¼"
8161
3/8" x 1"
ASP 8154
¾" x 1⅜"
ASP 319
½" x 1⅝"
8014
¾" x 3¼"
8256
1 1/16" x 1⅝"
ASP 309
3/16" x 1⅜"
8242½
¾" x 1⅝"
ASP 311
7/16" x 1⅜"
8614
¾" x 1¾"
ASP 313
7/16" x 1⅜"
8006
¾" x 4¼"
8238
1 3/16" x 1 3/16"
ASP 200
1¼" x 1 1/16"
ASP 315
¾" x 1½"
8011
¾" x 2¼"
8029
¾" x 3¼"
8007½
¾" x 1⅝"
8008
¾" x 2¼"
8280
5/16" x 1⅛"
8281
5/16" x 1⅜"
ASP 317
¾" x 1½"
8282½
5/16" x 1⅜"
8025
¾" x 2¼"
¾" x 1"
8015
8017
¾" x 1½"
8283
1 1/16" x 1⅝"
8284
1 1/16" x 2"
8042
5/8" x ¾"
8018
¾" x 2¼"
8016½
¾" x 1⅝"
8285
1 1/16" x 2½"
8037
1 1/16" x 1 3/16"
8036
¾" x 1¼"

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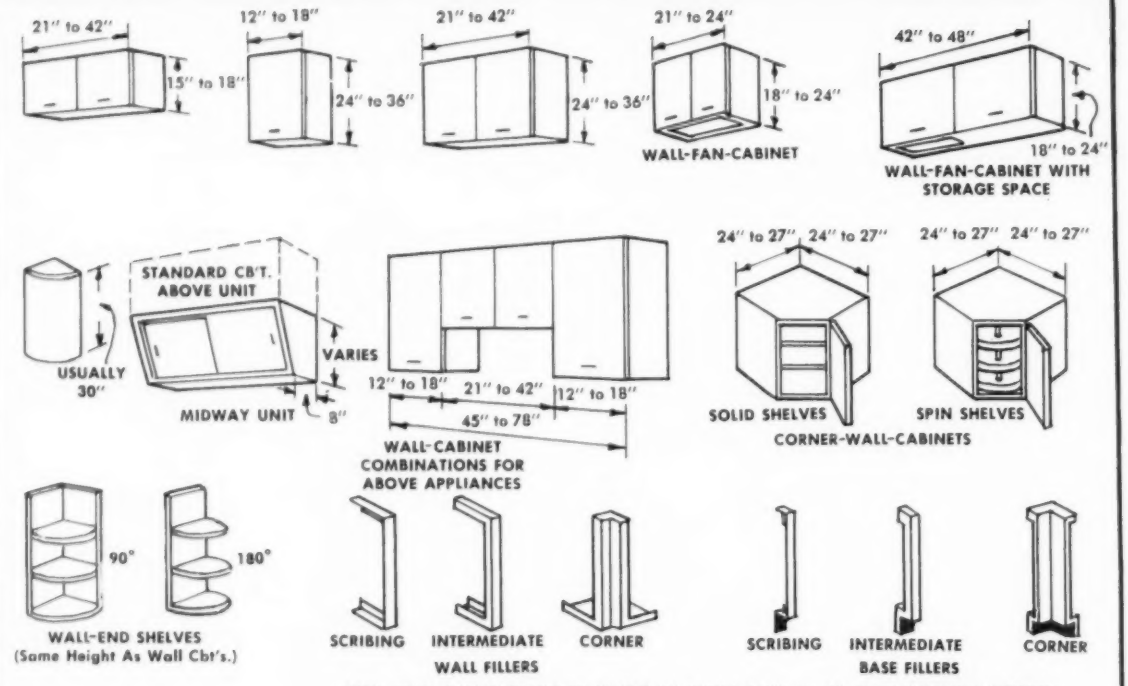
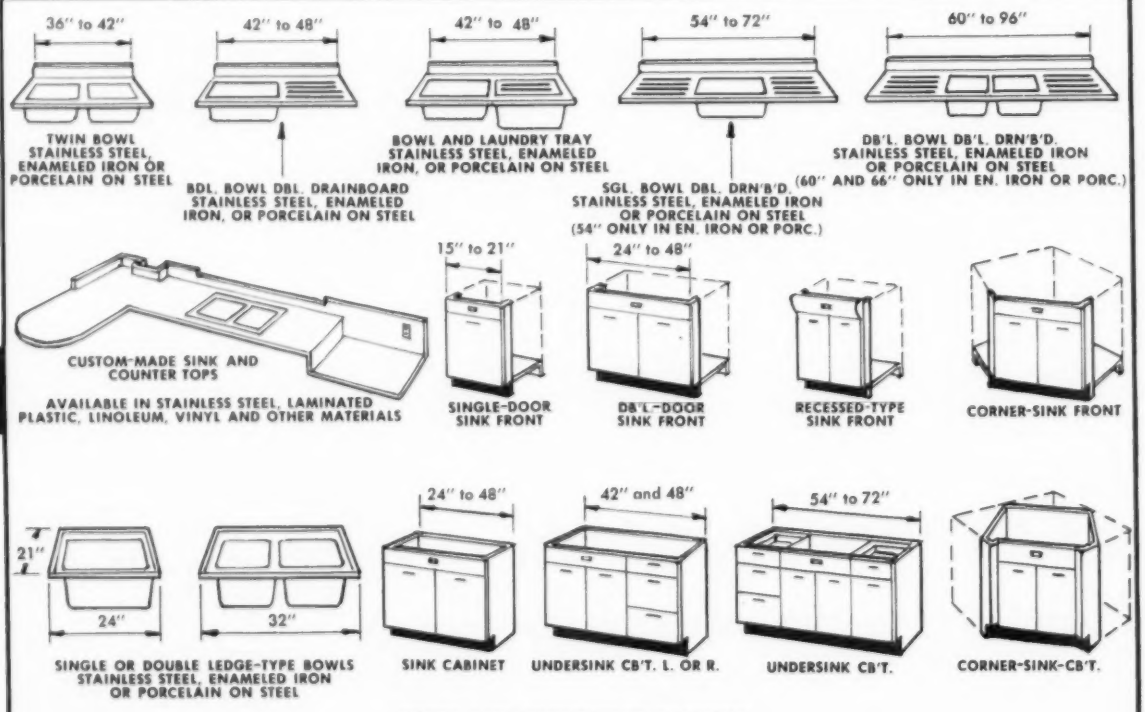
MILLWORK, CABINETS

Steel Kitchen Cabinet Standards



WALL-CABINETS

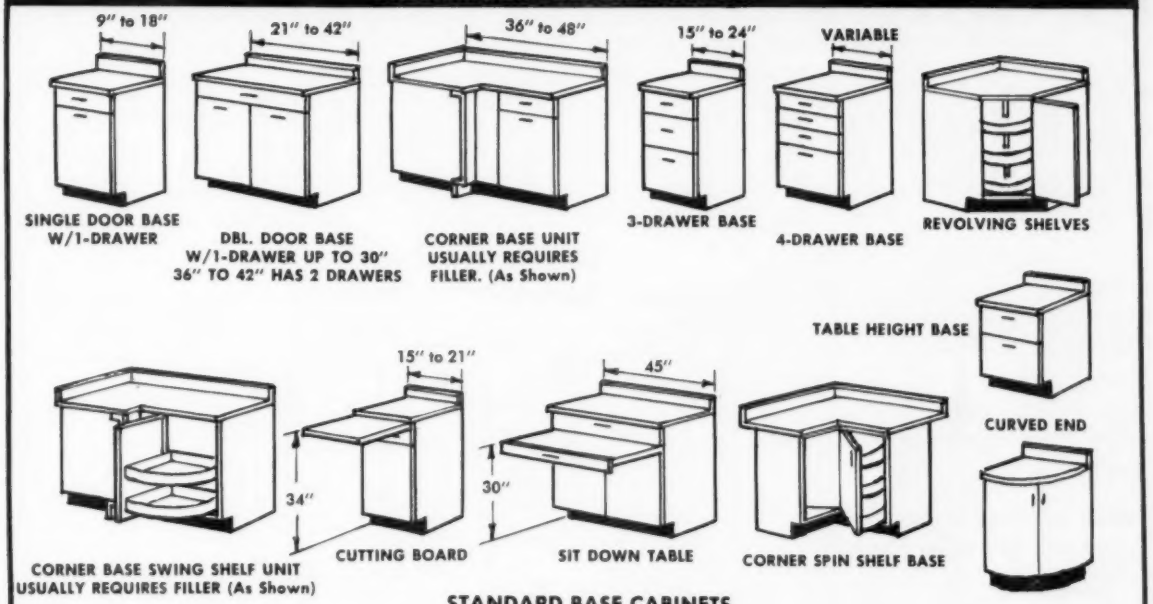


SINKS AND UNDERSINK CABINETS

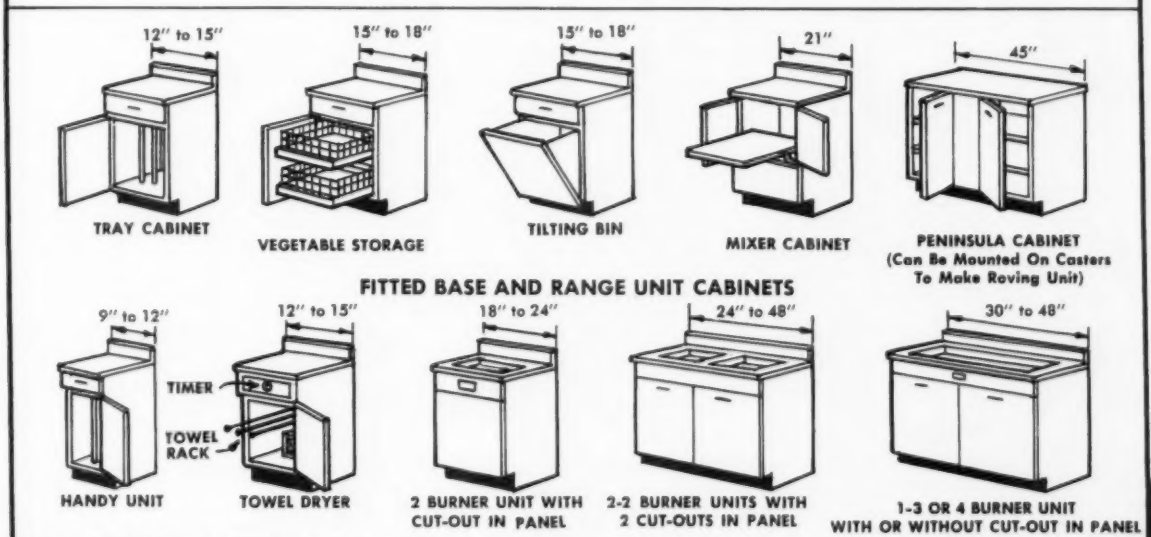
Courtesy Steel Kitchen Cabinet Manufacturers Assoc.

15

Steel Kitchen Cabinet Standards

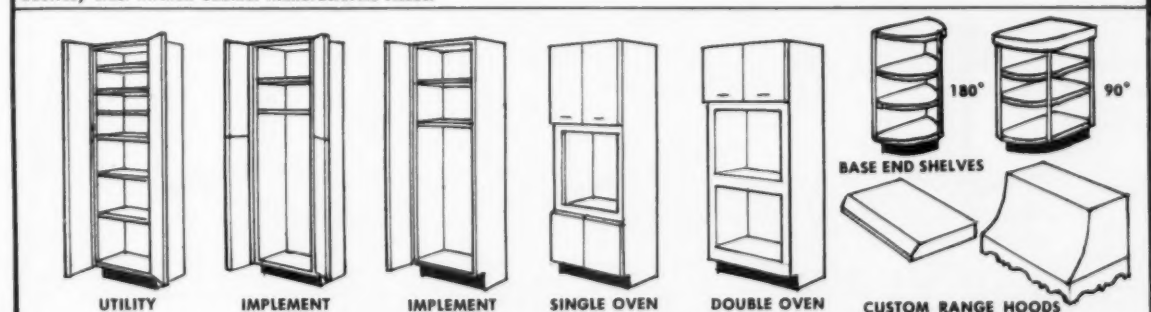


STANDARD BASE CABINETS



FITTED BASE AND RANGE UNIT CABINETS

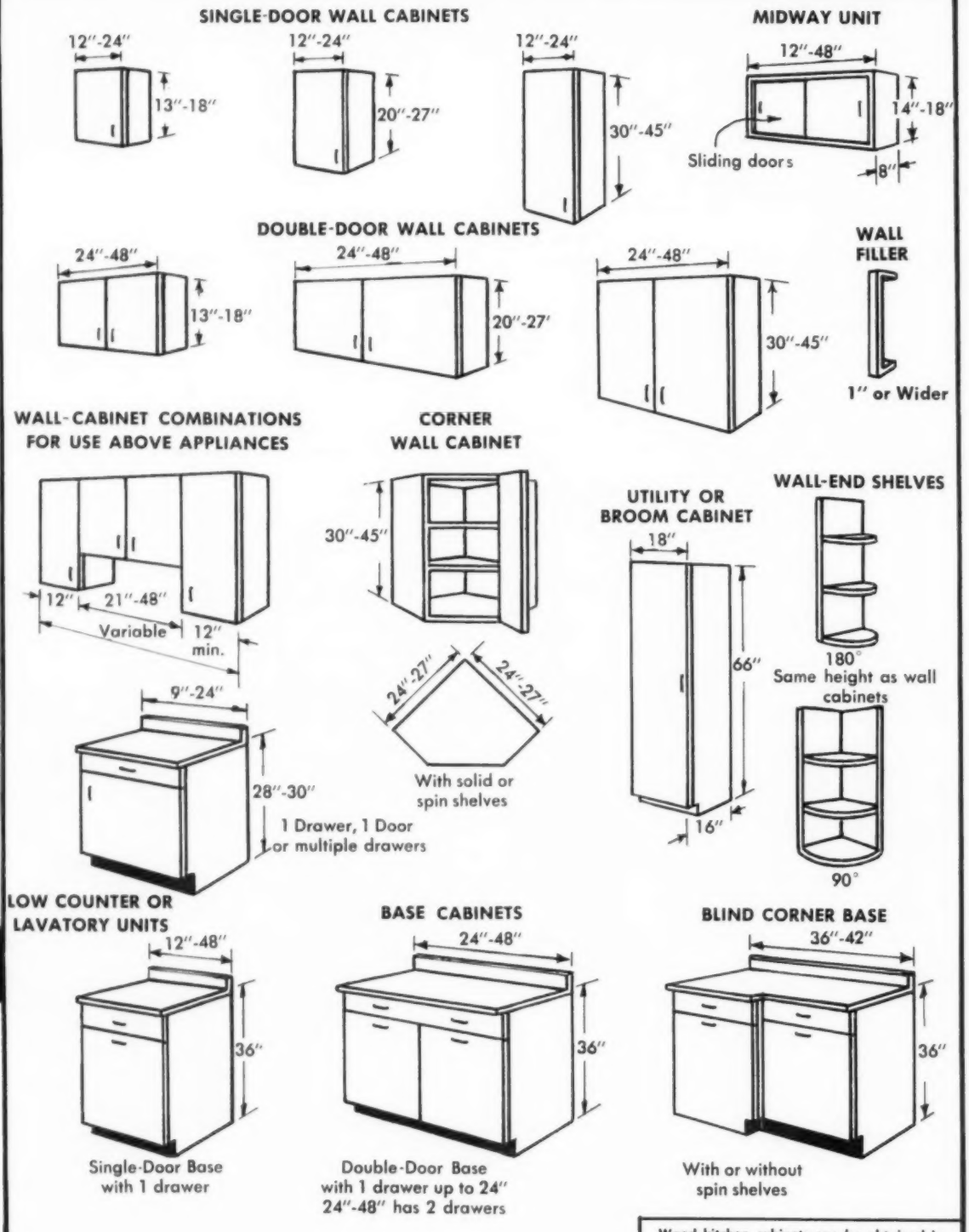
Courtesy Steel Kitchen Cabinet Manufacturers Assoc.



UTILITY CLOSETS AND OVEN CABINETS

MILLWORK, CABINETS

Wood Kitchen Cabinet Standards



Courtesy National Institute of Wood Kitchen Cabinets

Wood kitchen cabinets can be obtained in any 3" module between min. and max. dimensions shown.

15

NEW CONCEPT IN BUILDER KITCHENS!

YOUNGSTOWN KITCHENS

PRESENTS THE ALL-NEW "UNI-PAK"

OPEN HERE

COMPLETE KITCHEN PACKAGES MEAN BIG INSTALLATION SAVINGS!

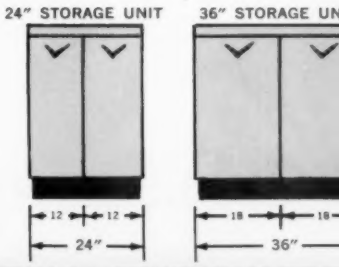
see the full story inside

• HOW TO MAKE HUGE SAVING
WITH YOUNGSTOWN KITCHEN

NEW "UNI-PAK" BUILDER F

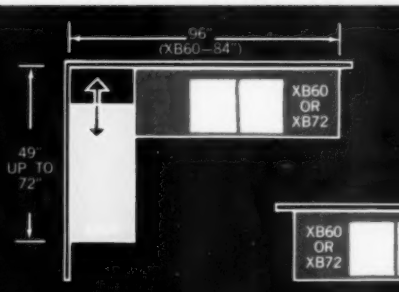
☆ *Buy a Package!* ☆ *Receive a Package!* ☆ *Instal*

ORDER FROM THESE 5 ONE-PACKAGE BUILDER UNITS...



COMBINE IN ANY WAY TO FIT YOUR KITCHEN PLANS

Drawings at right show the complete flexibility of UNI-PAK units. How UNI-PAK units can be moved flush to walls or away from walls to fit almost any kitchen plan.



A XB48 IN CORNER B XB36 IN C

SIMPLIFIED KITCHEN PLANNING

Each "Uni-Pak" sink or storage cabinet unit is a carefully pre-planned "package" which takes the place of separate cabinets you formerly had to plan for yourself. Specifically designed for builders, they're completely flexible, allow for any size kitchen...for turning corners. Choice of right or left hand drawers. Sink bowls and range units can be positioned to meet your own requirements.

"Uni-Pak" kitchens are engineered to save builders time and money. Single "Uni-Pak" units can replace 2 to 4 standard base cabinets. Used in combinations FHA—MPS requirements are fully met. All doors and hardware come completely assembled and mounted. Drawers are built in. All you do is place the units in position.

GREATER APPEA

Home-buyers respond fas
new "Uni-Pak" kitchens.
Beige, or Youngstown K
mar-resistant, wood-fashi
ing wall cabinets or indi
units, a "Uni-Pak" kitche
peal to your model home

Find out exactly how th
money. Get in touch with
sentative...now.

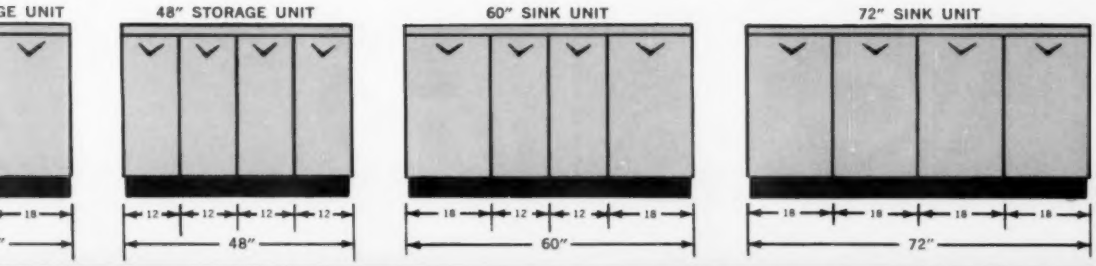
WRITE...WIRE

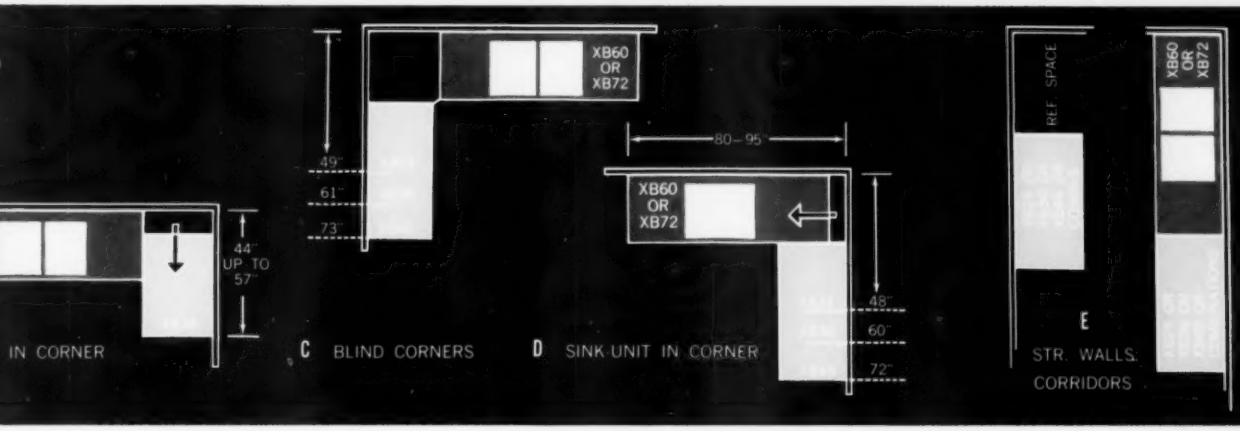
AMERICAN-STANDARD, YOUNGSTOWN KITCHENS DIVISION, WARREN, OHIO. PHONE: FRANKLYN 4-1581

IGS
ENS

PACKAGES

tall a Package! ☆ Save Time and Money!

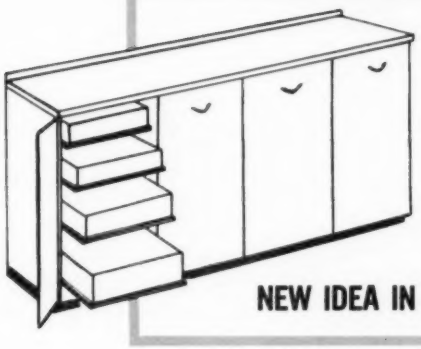




PEAL TO BUYERS

l fast to the quality, built-in look of these ens. Your choice of White, Monterey n Kitchens famous "Honeywood", the ashion laminate. Combined with match- individual Youngstown Kitchens base tchen adds definite value and sales ap- omes.

w this new "Uni-Pak" idea can save you with your Youngstown Kitchens repre-



Sink units contain 4 drawer sections at left or right side. Modern, quiet pull-out "shelf-drawers" are concealed behind the smartly finished doors. No drawer handles exposed to interrupt the smooth cabinet line. Drawers are easy to lift out for cleaning.

NEW IDEA IN KITCHEN DRAWERS!

American-Standard, Youngstown Kitchens Div.
Builder Information, Box #UP-2, Warren, Ohio

NAME_____
FIRM NAME_____
ADDRESS_____
CITY_____ STATE_____

ANOTHER "FIRST" FROM YOUNGSTOWN KITCHENS!

NEW "DIANA" 24" OVEN-RANGE

...THE ONLY BUILT-IN THAT INSTALLS LIKE A BASE CABINET

Today's newest, money-saving oven-range with a built-in cabinet look!

- Complete unit matches all Youngstown Kitchens base cabinets...same height, same depth, same width!
- Installs in minutes...saves time, saves work, saves money!
- 4-burner cook top...fingertip heat controls.
- Full oven, nickel-chrome lined, with broiler and baking units.
- Extra storage drawer at bottom.

New For Builders...a complete oven-range unit from famous Youngstown Kitchens that you can slide in place as easily as any base cabinet. The new "Diana" eliminates costly extra cabinets needed with conventional built-in ranges and ovens. The "Diana" gives your kitchen the modern built-in look. No cabinets to fasten on walls and break-up your wall space. The "Diana" fits flush with the front of all Youngstown Kitchens base cabinets. Available in White and Monterey Beige steel, Honeywood, Cherrywood, Brushed Chrome or Antique Copper. Get the full story from your Youngstown Kitchens representative.

FITS FLUSH
NO OLD-FASHIONED
JUT-OUT RANGE

ELIMINATES
2 COSTLY CABINETS

AMERICAN-Standard PRODUCTS

AMERICAN-Standard

YOUNGSTOWN KITCHENS DIVISION

WHY BUY FROM DEALERS?

QUALITY PRODUCTS FOR 20 YEARS

Your local dealer will not hesitate to speak of quality in the Precision Stairway Line. He knows that Precision Parts has built its folding stairway business on 20 years of standing behind all products 100%, and giving builders a dependable product. From the "Simplex 85" (the most economical stairway) to the "Precision Electric" (the most luxurious stairway) — all models are guaranteed and are manufactured in Precision's modern plant from the best available materials. Precision Parts Corporation is a family corporation of highest

(30" x 54") SUPER SIMPLEX

integrity — backing up dealers throughout the country with dependable products, parts and service. The nationally-advertised brand-names, PRECISION & SIMPLEX mean quality to your prospective home buyer as well as your local dealer.

ADVANCED "PUSH BUTTON" ELECTRIC STAIRWAY

15 MODELS

Through your local dealer, you can choose from 15 Precision & Simplex Folding Attic Stairways. Precision Parts Corporation has led the way in folding stairway development and manufacture for 20 years. Your dealer has a folding attic stairway to suit your needs and specifications. The complete Precision Parts Stairway Line includes 15 different models with wide variations in size and price range for all types of residential and commercial buildings. Contact your local dealer and let him help you choose the Precision or Simplex Attic Stairway that is right for your next job.

ECONOMICAL SIMPLEX "85"

NATION'S LEADING FOLDING STAIRWAY MANUFACTURER TELLS WHY.

Because the dealer is a local business man, he is directly responsible to you, the builder. He is the first to receive complaints on the quality of products he sells and because his business is built on satisfaction, he must be able to stand behind the product he sells. Your local dealer is ready to back you up with quality products, parts and service. To do business on this basis (and this is the only way he can afford to do business) he must have full confidence in his manufacturer-supplier. He knows that the manufacturer must also stand behind the product and he, therefore, handles a manufacturer's product on the basis of the manufacturer's reliability. *We, at Precision Parts Corporation, stand behind the dealer even after the sale is made.* Precision Parts' Stairways feature high quality materials, expert workmanship, plus 20 years engineering experience. These things are of direct concern to the dealer if he is to recommend one product over another. So, in summing up, the dealer is as invaluable to you as he is to us. He backs up sales, deals with reliable manufacturers, offers his services, parts and quality products, and, in many cases, helps you to finance your building needs. The dealer is a local business man whose future success in the community depends on satisfying you.

Paul V. Harmon, *Pres.*

TRUSS TYPE ROOF NO LONGER STORAGE PROBLEM

Your dealer can now supply you with the NEW SIMPLEX 2' O. C. Folding Stairway for truss

SIMPLEX SPECIAL FOR 2' O.C. TRUSS ROOF

construction. Roof supports no longer prevent the use of an attic stairway to make valuable storage space accessible. Because storage space helps to sell houses, look to your local dealer for the latest, finest Precision Parts Corporation Stairways.

Precision and Simplex stairways stocked for your convenience by more than 200 Jobbers in leading cities of the U.S.

PRECISION PARTS CORPORATION

400 NORTH FIRST ST. NASHVILLE, TENNESSEE

In Kitchen Business' Survey You Asked For

- Faster Delivery
- Better Uniformity of Finish
- A Wider Variety of Special Purpose Cabinets

Long-Bell gives you
(and has for years)

Fast, Fast Delivery Is Yours when you order your Kitchen Cabinets from Long-Bell.

Because Long-Bell ships direct from completely stocked distribution points . . . strategically located so close to you it's almost like having stock in your own warehouse.

A Perfect Finish . . . Everytime! The new Super Microseal® process is now applied to all Long-Bell Natural Wood Kitchen Cabinets (set up or knocked down). This revolutionary factory-finishing process gives cabinets the true luster of hand-rubbed wood . . . yet saves you 75% of the completed finishing job. Low-Cost Super Microseal gives Long-Bell Cabinets that Super Satin Surface ® . . . needs no additional sanding . . . no primer coat.

® General Plywood Corp.

These Special Purpose Long-Bell Cabinets can help you plan better kitchens for better profits.

Long-Bell Natural Wood Kitchen Cabinets are available in units to fit any kitchen (in 3" modules) . . . Ready to Install or Knocked Down . . . Birch or Rift grain Fir.

HARDWARE, BUILDING SPECIALTIES

Wire Nail Estimating Data

Size and Kind of Material	1000 Feet Board Measure	Trade Name	Lbs. of Nails Required 12" Centers	16" Centers	24" Centers	Length of Nails	No. of Nails to Ea. Bearing
1 x 4 Boards and Shiplap		8d common	60	48	30	2½"	2
1 x 6 Boards and Shiplap		8d common	40	32	20	2½"	2
1 x 8 Boards and Shiplap		8d common	31	27	16	2½"	2
1 x 10 Boards and Shiplap		8d common	25	20	13	2½"	2
1 x 12 Boards and Shiplap		8d common	31	24	16	2½"	3
1 x 4 D&M Blind Nailed		8d common	30	24	15	2½"	1
1 x 6 D&M Blind Nailed		8d common	20	16	10	2½"	1
1 x 8 D&M Blind Nailed and 1 Face Nail		8d common	31	27	16	2½"	2
1 x 10 D&M Blind Nailed and 1 Face Nail		8d common	25	20	13	2½"	2
1 x 12 D&M Blind Nailed and 1 Face Nail		8d common	21	16	11	2½"	2
2 x 4 to 2 x 16 Framing		20d common	20	16	10	4 "	....
		16d common	10	10	6	3½"	....
		10d common	8	6	4	3 "	....
3 x 4 to 3 x 14 Framing		60d common	30	25	15	6 "	....
2 x 6 D&M Flooring		20d common	35	27	18	4 "	1
2 x 8 D&M Flooring		20d common	27	20	14	4 "	1
1 x 4 Drop Siding		7d siding	45	35	....	2¼"	2
1 x 6 Drop Siding		7d siding	30	25	....	2¼"	2
1 x 8 Drop Siding		7d siding	23	18	....	2¼"	2
½ x 4 Bev. Siding		6d siding	23	18	....	2 "	1
½ x 6 Bev. Siding		6d siding	15	13	....	2 "	1
½ x 8 Bev. Siding		6d siding	12	10	....	2 "	1
¾ x 10 Bev. Siding		7d siding	45	35	....	2¼"	2
¾ x 12 Bev. Siding		7d siding	60	50	....	2¼"	3
¾ x 4 Ceiling		8d finish	18	14	9	2½"	1
½ x ⅝" Ceiling		6d finish	11	8	6	2 "	1
⅞" Finish Lumber		8d finish	25	12	13	2½"	2
1⅛" Finish Lumber		10d finish	12	10	6	3 "	2
1 x 3 Flooring, Soft Wood		8d floor brads	42	32	21	2½"	1
1 x 4 Flooring, Soft Wood		8d floor brads	32	26	16	2½"	1
1 x 6 Flooring, Soft Wood		8d floor brads	22	18	11	2½"	1
⅝ x 1½ Flooring, Hard Wood		4d casing	13	10	....	1¼"	1
¾ x 2 Flooring, Hard Wood		4d casing	11	8	....	1¼"	1
13/16 x 1½ Flooring, Hard Wood		7d casing	27	20	....	2¼"	1
13/16 x 2¼ Flooring, Hard Wood		7d casing	20	14	....	2¼"	1

1 x 2 Furring on Brick Walls—100 Lineal Ft.—20d Cut Nails, Requires 5¼ lbs.

Base Per 100 Lineal Ft. — 8d Finish Requires 1 Lb. 16" on Centers.

Sides of Trim, Per Side of Inside Trim. — 4d Finish, 6d Finish, 8d Finish: Requires About ½ Lb. Total

48" Wood Lath Per 1000 Lath. — 3d Fine Requires 7 Lbs.

Metal Lath Per 100 Sq. Yds. — 1" Staples Requires 12 Lbs.

or Metal Lath Per 100 Sq. Yds. — 1⅛" No. 12 Hook Head Nails Requires 15 Lbs.

⅜" Gypsum Lath, Per 100 Sq. Yds. — 1⅛" x 13 Gauge—5/16" Heads Requires 10 Lbs. Smooth Diamond Points.

¼" Plaster Board, Per 100 Sq. Yds. — 1" x 13" Gauge—5/16" Heads Requires 10 Lbs. Smooth Diamond Points.

13/16" Wall Board, Per 1000 Sq. Ft. — 3d Flat Head Nail Requires 5 Lbs.

¼" Wall Board, Per 1000 Sq. Ft. — 4d Flat Head Nail Requires 9 Lbs.

⅜" Wall Board, Per 1000 Sq. Ft.

BATTENS Will Require ½ Lbs. 4d Finish Nails Per 100 Lineal Feet.

For Various Styles of Wallboards, See Manufacturer's Specifications for Recommended Nailing.

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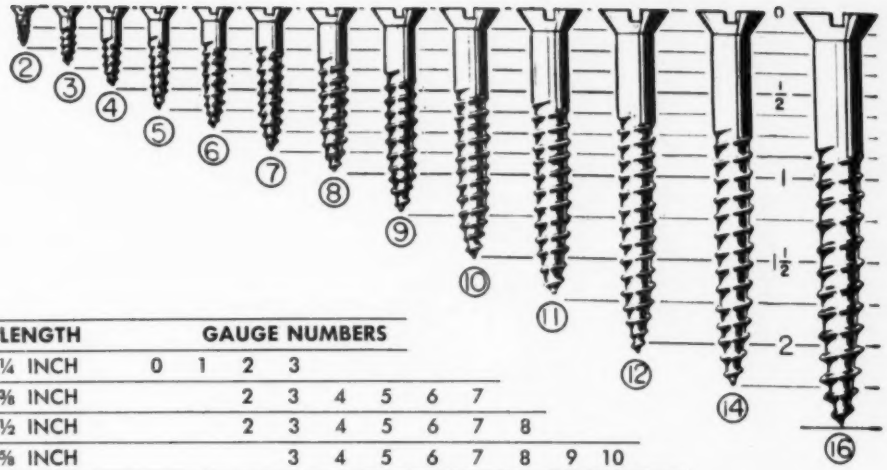
HARDWARE, BUILDING SPECIALTIES

Aluminum Nails

BUILDING MATERIAL	COVERAGE	LENGTH OF NAIL	TYPE OF NAIL	GAUGE	HEAD SIZE INCHES	NAILS REQUIRED 12" CENTERS NO.	12" CENTERS LBS.	16" CENTERS NO.	16" CENTERS LBS.
½" x 6" Bvl. Sdg.	1000 bd. ft.	1⅞"	6d Wd. Sdg.—Skr. Hd.	12	11/64	2000	3.3	1500	2.5
¾" x 8" Bvl. Sdg.	1000 bd. ft.	2¼"	7d Wd. Sdg.—Skr. Hd.	11½	11/64	1500	3.2	1125	2.4
¾" x 8" Bvl. Sdg.	1000 bd. ft.	2⅜"	8d Wd. Sdg.—Skr. Hd.	10½	11/64	1500	4.7	1125	3.5
¾" x 8" Bvl. Sdg.	1000 bd. ft.	2⅞"	10d Wd. Sdg.—Skr. Hd.	9½	5/64	1500	5.1	1125	3.8
½" x 6" Bvl. Sdg.	1000 bd. ft.	1⅞"	6d Wd. Sdg.—Csg. Hd.	12	5/64	2000	3.3	1500	2.5
¾" x 8" Bvl. Sdg.	1000 bd. ft.	2¼"	7d Wd. Sdg.—Csg. Hd.	11½	5/64	1500	3.2	1125	2.4
¾" x 8" Bvl. Sdg.	1000 bd. ft.	2⅜"	8d Wd. Sdg.—Csg. Hd.	10½	5/32	1500	4.7	1125	3.5
¾" x 8" Bvl. Sdg.	1000 bd. ft.	2⅞"	10d Wd. Sdg.—Csg. Hd.	9½	5/64	1500	5.1	1125	3.8
Cedar Shakes—Single Course	3 squares	1¼"	Cedar Shake	13½	5/32	1680	1.3		
Cedar Shakes—Single Course	3 squares	1¾"	Cedar Shake	12½	5/32	1680	2.3		
Cedar Shingles (5 in. expos.)	3 squares	1¼"	3d Cedar Shingle	14	3/32	3150	2.1		
Asbestos Siding—Face Nlg.	5 squares	1¾"	File Grip Asb. Sdg.	.114	.185	900	1.1		
Asbestos Siding—Face Nlg.	5 squares	1¾"	File Grip Asb. Sdg.	.114	.215	900	1.3		
Asbestos Siding—Face Nlg.	5 squares	1¼"	Asbestos Siding	13	3/64	900	0.7		
Asbestos Siding—Face Nlg.	5 squares	1¾"	Asbestos Siding	12½	3/64	900	1.0		
Asbestos Siding—Cncd. Nlg.	5 squares	1¼"	Asbestos Siding	11½	3/64	900	1.2		
Asbestos Siding—Cncd. Nlg.	5 squares	1½"	Asbestos Siding	11½	3/64	900	1.3		
Asbestos Siding—Cncd. Nlg.	5 squares	1¾"	Asbestos Siding	11½	3/64	900	1.6		
General Purpose		⅞"	Standard Shingle	12½	5/32				
Barn Batts, Joist, Lining, etc.		1¼"	3d Standard Shingle	12½	5/32				
Insulating Siding—Light finish for face nailing	5 squares	2 "	Insul. Sdg.—Chk. Hd.	11½	7/32	1680	2.4		
	60 Butt. Crs.	2½"	Insul. Sdg.—Chk. Hd.	10	7/32	600	2.3		
Insulating Siding—Dark finish for mortar joint nailing	60 Butt. Crs.	2½"	Insul. Sdg.—Chk. Hd.	10	7/32	600	2.3		
	5 squares	2 "	Insul. Sdg.—Chk. Hd.	11½	7/32	1680	2.4		
Gypsum Lath	1000 sq. ft.	1⅛"	Gypsum Lath	12½	3/64	1534	1.6		
Gypsum Lath	1000 sq. ft.	1¼"	Gypsum Lath	12½	3/64	1534	1.7		
Gypsum Lath	1000 sq. ft.	1½"	Gypsum Lath	12	3/64	1534	2.1		
Roll Roofing	500 sq. ft.	⅞"	Roofing	10	3/64	860	1.3		
Sq. Tab Shingles	3 squares	1 "	Roofing	10	3/64	980	1.6		
Sq. Tab Shingles	3 squares	1¼"	Roofing	10	3/64	980	2.0		
Sq. Tab Shingles	3 squares	1½"	Roofing	10	3/64	980	2.4		
Sq. Tab Shingles	3 squares	1¾"	Roofing	10	3/64	980	2.7		
Sq. Tab Shingles	3 squares	2 "	Roofing	10	3/64	980	2.9		
Sq. Tab Shingles	2 squares	2½"	Roofing	10	3/64	650	2.4		
Aluminum Roofing	5 squares	1¾"	Rfg. w/w/att. Scr. Gp.	.145	3/64	525	1.8		
Aluminum Roofing	5 squares	2 "	Rfg. w/w/att. Scr. Gp.	.145	3/64	525	2.0		
Aluminum Roofing	10 squares	1¾"	Rfg. w/w/att. Scr. Gp.	.145	3/64	1050	3.6		
Aluminum Roofing	10 squares	2 "	Rfg. w/w/att. Scr. Gp.	.145	3/64	1050	4.0		
Aluminum Roofing	10 squares	2½"	Rfg. w/w/att. Scr. Gp.	.145	3/64	1050	4.8		
Aluminum Roofing	10 squares	1¾"	Rfg. w/w/att. Pln. Shk.	10	3/64	1050	3.4		
Aluminum Roofing	10 squares	2 "	Rfg. w/w/att. Pln. Shk.	10	3/64	1050	4.0		

ABREVIATIONS:
Bvl. Sdg. = Beveled Siding
Cncd. Nlg. = Concealed Nailing
Scr. Gp. = Screw Grip
Pln. Shk. = Plain Shank
Wd. Sdg. — Skr. Hd. = Wide Siding — Sinker Head
Csg. Hd. = Casing Head
Chk. Hd. = Checked Head
w/w/att. = With Neoprene washers assembled to nail

16



LENGTH	GAUGE NUMBERS																
¼ INCH	0	1	2	3													
⅜ INCH			2	3	4	5	6	7									
½ INCH			2	3	4	5	6	7	8								
⅝ INCH				3	4	5	6	7	8	9	10						
¾ INCH					4	5	6	7	8	9	10	11					
⅞ INCH							6	7	8	9	10	11	12				
1 INCH							6	7	8	9	10	11	12	14			
1¼ INCH								7	8	9	10	11	12	14	16		
1½ INCH							6	7	8	9	10	11	12	14	16	18	
1¾ INCH									8	9	10	11	12	14	16	18	20
2 INCH									8	9	10	11	12	14	16	18	20
2¼ INCH										9	10	11	12	14	16	18	20
2½ INCH													12	14	16	18	20
2¾ INCH														14	16	18	20
3 INCH															16	18	20
3½ INCH																18	20	24
4 INCH																18	20	24

WOOD SCREW SIZES

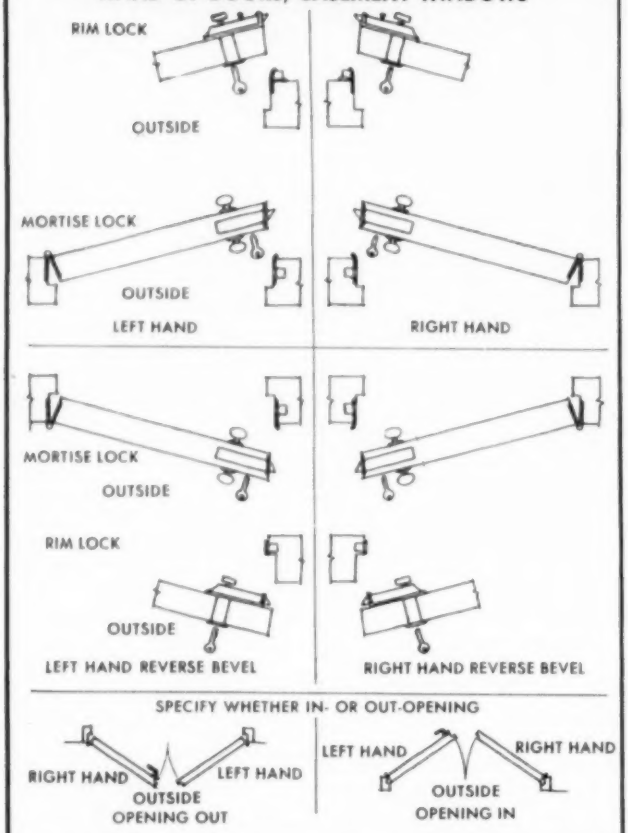
Gauge Nos.	Basic Decimal Diameter	Fractional Diameter Nearest 64th	Threads per Inch	Maximum Head Diameter	Drill Number	PILOT OR ANCHOR HOLE SIZES: SOFTWOOD Slotted Screws	SOFTWOOD Phillips Screws	HARDWOOD Slotted Screws	HARDWOOD Phillips Screws
0	.060	1/16–	32	.119	52	75		70	
1	.073	5/64–	28	.146	47	71		66	
2	.086	3/32+	26	.172	42	65	75	56	70
3	.099	7/64+	24	.199	37	58	71	54	66
4	.112	7/64+	22	.225	32	55	65	52	56
5	.125	1/8–	20	.252	30	53	58	49	54
6	.138	9/64–	18	.279	27	52	55	47	52
7	.151	5/32–	16	.305	22	51	53	44	49
8	164	5/32+	15	.332	18	48	52	40	47
9	.177	13/64+	14	.358	14	45	51	37	44
10	.190	3/16+	13	.385	10	43	48	33	40
11	.203	13/32–	12	.411	4	40	45	31	37
12	.216	7/32–	11	.438	2	38	43	30	33
14	.242	15/64+	10	.491	D	32	40	25	31
16	.268	17/64+	9	.544	I	29	38	18	30
18	.294	19/64–	8	.597	N	26	32	13	25
20	.320	21/64–	8	.650	P	19	29	4	18
24	.372	3/8–	7	.756	V	15	26	1	13

16

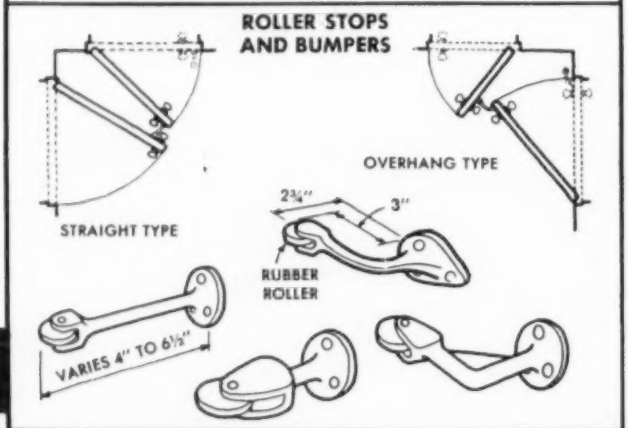
HARDWARE, BUILDING SPECIALTIES

Hardware Details

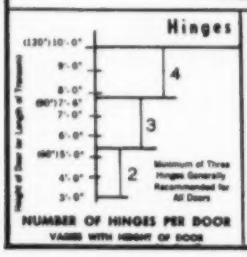
HAND OF DOORS, CASEMENT WINDOWS



ROLLER STOPS AND BUMPERS



Hinges

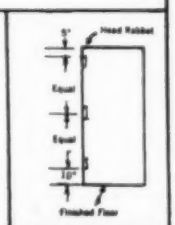


NUMBER OF HINGES PER DOOR
VARIES WITH HEIGHT OF DOOR

HOW TO SPECIFY HINGES

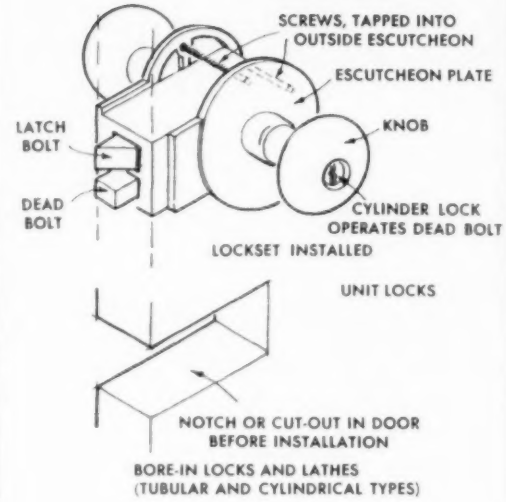
Number (in Pairs) – Either Ball or Oilite Bearings (If Required) – Type of Tips – Type of Screws – Type of Hinge – Metal – Height – Width (Required Only for Full Mortise Hinges) – Weight (Regular or Heavy) – Finish

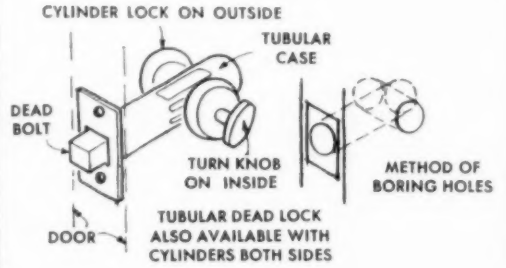
TEMPLATE HINGES are Made to Standard, Templates or Patterns (Usually in Accordance with Government Standards) to Insure Exact Matching of Hinge and its Screw Holes with Metal Doors and Metal Jambs Fabricated by Other Manufacturers

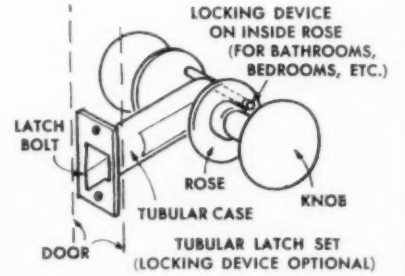


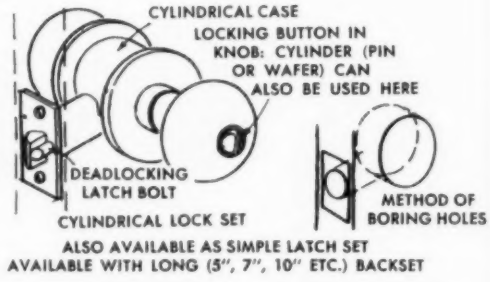
LOCATION OF HINGES

TYPES OF LOCKS AND LATCHES





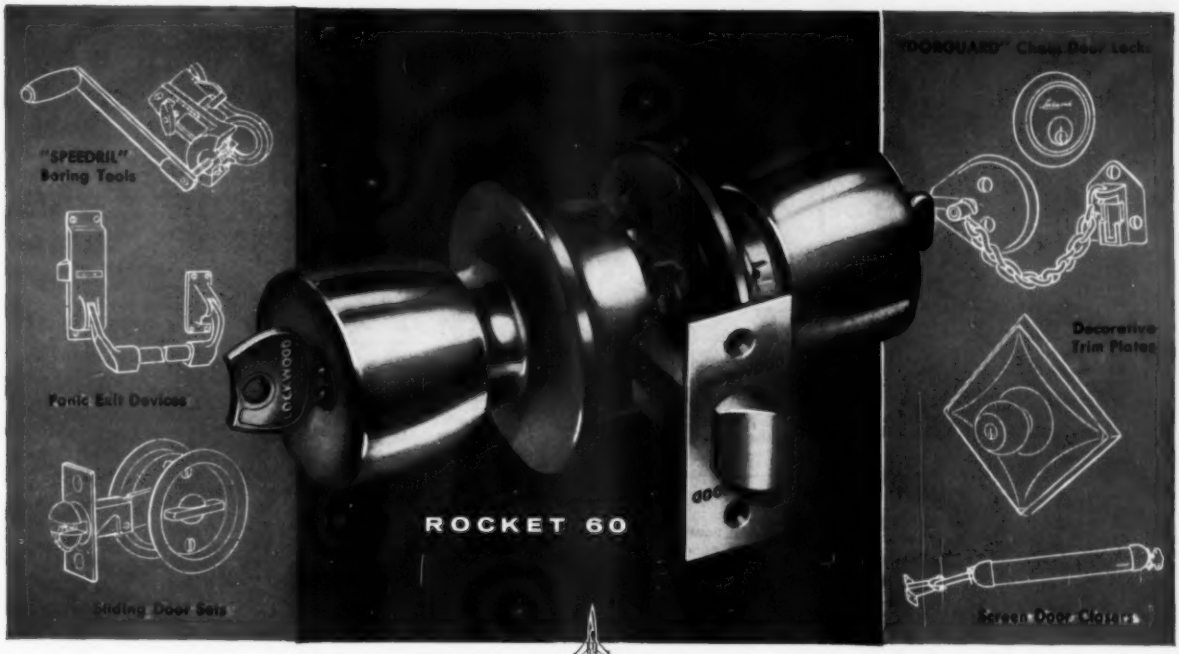




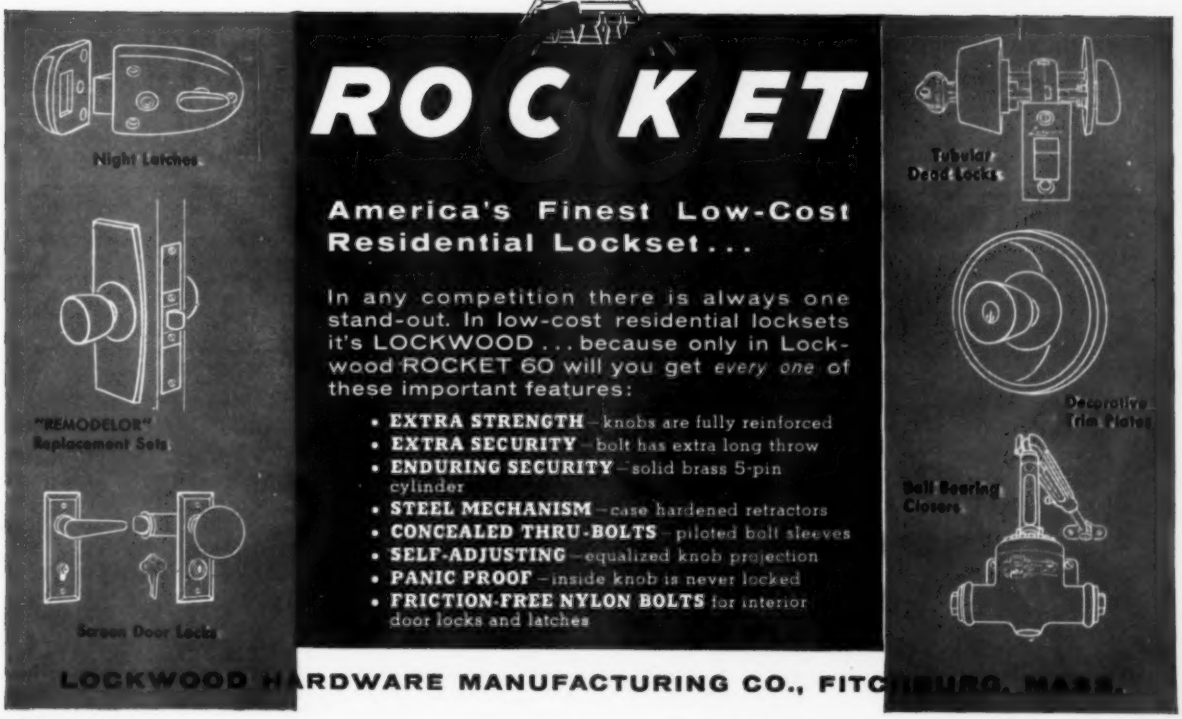
ALSO AVAILABLE AS SIMPLE LATCH SET AVAILABLE WITH LONG (5", 7", 10" ETC.) BACKSET

Courtesy National Builders Hardware Association

16



Ride with LOCKWOOD in '60



ROCKET

America's Finest Low-Cost Residential Lockset . . .

In any competition there is always one stand-out. In low-cost residential locksets it's LOCKWOOD . . . because only in Lockwood ROCKET 60 will you get *every one* of these important features:

- **EXTRA STRENGTH** – knobs are fully reinforced
- **EXTRA SECURITY** – bolt has extra long throw
- **ENDURING SECURITY** – solid brass 5-pin cylinder
- **STEEL MECHANISM** – case hardened retractors
- **CONCEALED THRU-BOLTS** – piloted bolt sleeves
- **SELF-ADJUSTING** – equalized knob projection
- **PANIC PROOF** – inside knob is never locked
- **FRICTION-FREE NYLON BOLTS** for interior door locks and latches

LOCKWOOD HARDWARE MANUFACTURING CO., FITCHBURG, MASS.

FOR DOORS, DRAWERS, WINDOWS— GRANT SLIDING HARDWARE *THROUGHOUT THE HOUSE*

SLIDING DOOR HARDWARE

1000/6000 Reversible Rocket Sliding Door Hardware—load capacity: up to 75 lbs./door • for ¾" to 1¾" single, bi-parting and bypassing doors • inexpensive standard duty line with adjustable double wheel carriers

Rocket 1000/6000 two wheel hardware is an excellent line of moderate duty hardware. Rocker-arms keep nylon wheels in constant contact with track. Choice of aluminum or aluminum fascia track. Reversible hardware set for ¾" or 1⅜" doors available. All adjustments. Packaged in sturdy tubes with color-coded labels.

SLIDING DOOR HARDWARE

7000 Sliding Door Hardware — load capacity: up to 100 lbs./door • for ¾" to 1¾" doors, single, bi-parting and bypassing • each door rides on eight rollers • moderate cost standard duty hardware, fully adjustable

Widely recognized as the foremost line of moderate-duty sliding door hardware. Twelve completely adjustable sets from which to select, with aluminum or aluminum fascia track. Doors move on unique four-wheel carriers **(eight per door)** with rocker arms for constant track contact. Luxurious operation at minimum cost—with every advantage of highest-priced moderate duty hardware.

DRAWER SLIDES

305/306 Drawer Slides — load capacity: up to 50 lbs./pair • min. space at each side of drawer • continuous ball bearing action • 12" to 36", every inch

Grant Slides are designed for use where full extension and continuously smooth operation is necessary. Separate rollers permit drawer to be lifted out easily. Travel can be controlled by placement of front roller. (Interchangeable drawers can be readily transferred from storage into use.)

DRAPERY HARDWARE

2200 Drapery Hardware — medium-heavy duty hardware • entirely non-corrosive — aluminum track and parts, nylon carriers • wall or ceiling installation • finest drapery hardware available

The finest drapery hardware available anywhere — yet moderately priced for the mass market. Highest quality line, completely rust-proof since every part is either aluminum or nylon. No metal-to-metal contact between moving parts and **all parts** are re-inforced for lifetime service. Many features included that are unavailable in competitive brands.

DOOR POCKET FRAME

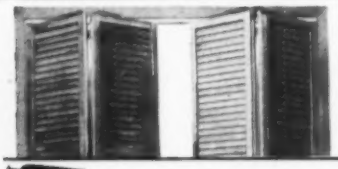
Grant Sliding Door Pocket Frame — load capacity: up to 100 lbs. • for ¾" to 1¾" doors, 6'6" to 6'8" high, 2'0" to 3'0" wide • fits standard 2 x 4 construction

Designed to speed sliding door installations — and to insure accuracy in every case. Complete installation takes less than twenty minutes! For all 2 x 4 construction, regardless of wall material thickness. Grant 7000 hardware moves door smoothly and quietly on aluminum track. Sturdily and compactly packaged.

CLOSET ROD

Grant "Golden" Closet Rod—gold anodized aluminum track • unique self-lubricating black nylon carriers • sturdy end brackets • center support for longer lengths • most functional, beautiful closet rod made.

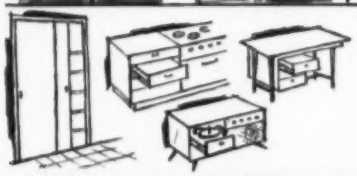
Grant's Gold anodized closet rod has intrinsic qualities of beauty and function unequalled by any other such product. Black nylon carriers gently but efficiently glide clothes at a touch. These carriers can "snap" in, permitting the addition of extra carriers (for extra clothes!) as needs require. The Grant Closet Rod will support even the heaviest of loads safely. And, for special widths, it can be simply cut to size.



FOLDING PANEL HARDWARE

2500 Folding Panel Hardware — load capacity: up to 35 lbs./panel • for ¾" to 1⅜" doors; either two door (one way) or four door (bi-parting) installation • inexpensive standard duty hardware, fully adjustable

Sturdiest hardware, full of selling features, including: full range of sets, all adjustments, re-inforced parts and jamb bracket **(nothing attaches to floor)**, fast installation, specially designed lead carriers for constant track contact and the new passageway set with completely hidden hardware.



Grant Sliding Hardware is naturally suited for application to "built-ins"... for sliding doors or drawers in linen closets, kitchen cabinets, multi-purpose wall units, standing clothes closets and other cabinetry, no wider range of such hardware is produced by any manufacturer, for application throughout the house.

GRANT SLIDING HARDWARE

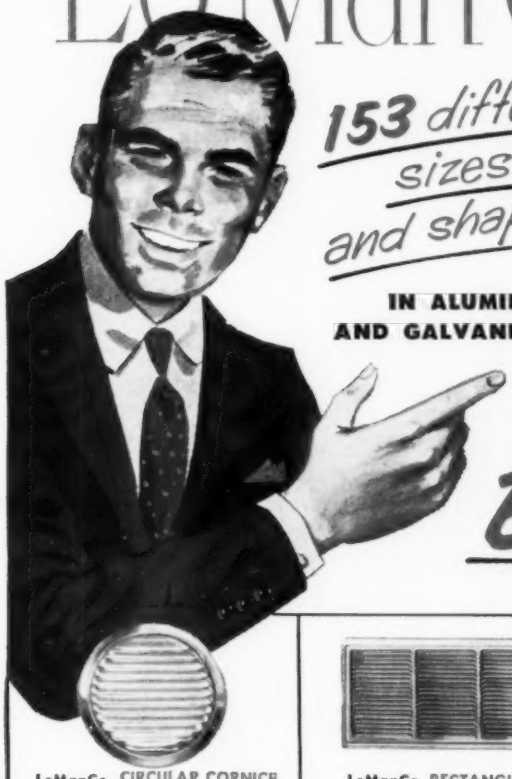
GRANT PULLEY AND HARDWARE CORPORATION

1 High Street, West Nyack, New York • 944 Long Beach Avenue, Los Angeles 21, Cal.

sliding door hardware • drawer slides • drapery hardware • pocket frames • pulls • special sliding hardware

The world's most complete line of ventilating louvers . .

LoManCo



153 different sizes and shapes!

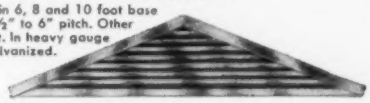
IN ALUMINUM AND GALVANIZED

LoManCo VARI-PITCH and JUMBO VARI-PITCH LOUVERS

10 models and sizes, 4-12 thru 12-12 pitch. The original patented adjustable triangular louver. In heavy gauge aluminum only.

LoManCo JUMBO STATIONARY LOUVERS

15 models . . . in 6, 8 and 10 foot base lengths from 2½" to 6" pitch. Other sizes on request. In heavy gauge aluminum or galvanized.



LoManCo TWIN-SECTION JUMBO LOUVERS

14 models . . . in 6, 8, 10 and 12 foot base lengths from 2½" to 5" pitch. Other sizes on request. Available in aluminum or galvanized.

LoManCo MULTI-SECTIONAL LOUVERS

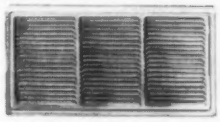
A new concept in louvers . . . 8 basic sections can make up 25 triangular and odd sized louvers. In aluminum only.

with more *Builder Benefits!*

LoManCo Louvers meet the new FHA Revised Minimum Property Requirements

LoManCo CIRCULAR CORNICE VENTS

New design in cornice vents . . . eight inches in diameter, 8 x 8 mesh screen installed . . . fast, easy to install. In heavy gauge aluminum only.



LoManCo RECTANGULAR CORNICE VENTS

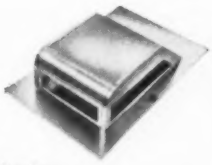
One-piece cornice ventilator with 8 x 8 mesh screen installed. Available in three standard sizes. In heavy gauge aluminum or galvanized.

LoManCo FOUNDATION VENTILATORS

Die cast aluminum alloy ventilator grate with optional 8 x 8 mesh screen and shutters with lever for opening and closing. 4 models.

LoManCo CIRK-L-VENTS

- Model L-38 louver . . . 3" size.
- Model C-25 open end louver . . . 3" size.
- Model P-18 anti point peelers . . . 1" size.
- Model D-16 rain drains . . . 1" size.

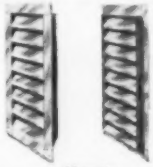


LoManCo ROOF-LINE LOUVERS

3 models and sizes . . . three sides open for more ventilation . . . 8 x 8 mesh screen on the outside. In aluminum or galvanized.

LoManCo EXHAUST FAN VENT-HOOD

A new combination ventilator and roof jack, perfect for use with powered kitchen and bathroom exhaust fans. Rust-proof aluminum construction, unique clatter-proof back draft damper, louvered roof hood for extra weather protection, elimination of clogged screens. Seamless one piece bottom to prevent water leakage.



LoManCo SERIES 100 FLUSH and SERIES 200 RECESSED LOUVERS

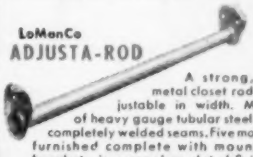
12 models and sizes in both flush series 100 and recessed series 200. Complete with 8 x 8 mesh screen. In aluminum or galvanized.

OTHER LoManCo PRODUCTS

LoManCo *Beauty Line* Aluminum Shutters

Only shutters with all the features and advantages home owners want. 100% Aluminum—no rotting, warping cracking or splitting. One piece aluminum slats locked in heavy continuous frame provides deep attractive shadow lines. Completely assembled, ready for mounting. Factory finished in white baked enamel prime coat. 16 sizes for all std. windows.

LoManCo ADJUSTA-ROD



A strong, all metal closet rod adjustable in width. Made of heavy gauge tubular steel with completely welded seams. Five models furnished complete with mounting brackets, in enamel or plated finishes. For closets up to 160" wide.

Write . . . for illustrated catalog with specifications on the complete line of aluminum and galvanized LoManCo louvers.

METAL VENTILATOR INSTITUTE

Louver Manufacturing Company

3609 WOODDALE AVENUE • MINNEAPOLIS 16, MINNESOTA

ALLITH-PROUTY, INC.

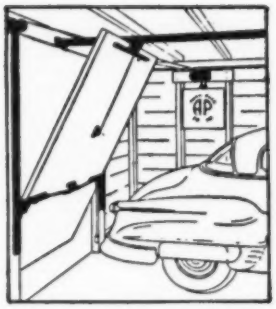
Manufacturers of Hardware for All Types of Rolling Doors
DANVILLE, ILLINOIS

PRODUCTS

- ACCORDION DOOR HARDWARE
- AIRPORT DOOR HARDWARE
- BARN DOOR HARDWARE
- FIRE DOOR HARDWARE (Underwriters)
- ROUND HOUSE DOOR HARDWARE
- VERTICAL SLIDE DOOR HARDWARE
- HEAVY TYPE DOOR HINGES
- OVERHEAD CARRIERS
- GARAGE DOOR HARDWARE
  - Folding-Sliding
  - Overhead Type
  - Round-the-Corner
  - Straight Sliding
- STADIUM SEAT BRACKETS

50-50 PUSHOVER ALLITH

GARAGE DOOR HARDWARE



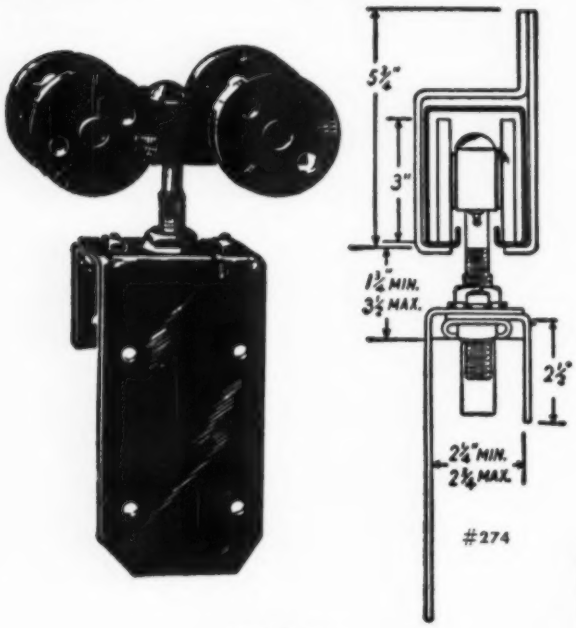
USE YOUR OWN OR ANY STANDARD DOOR

NO MAINTENANCE COSTS

SIMPLIFIED INSTALLATION

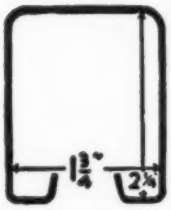
ADAPTABLE FOR ANY TYPE GARAGE

ALLITH HARDWARE permits you to use standard stock, or special doors if desired, to harmonize with design of accompanying building. All working parts are simple and sturdy—no springs to stretch or loosen. All hardware parts inside and protected from weather.
Unit shipped complete down to the last screw. Quickly and easily installed. Standard set fits any opening up to 9' wide x 7'6" high when doors do not exceed 275 lbs. Other sets available for openings up to 10' wide x 10' high. Complete details furnished on request.

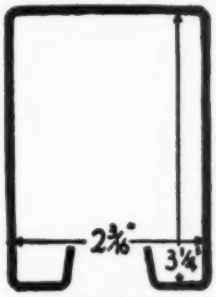


Allith Hangers
for Box or Trolley.
Tracks in all necessary sizes.

Allith Track
No. 60-X 16 gauge
No. 62-X 14 gauge

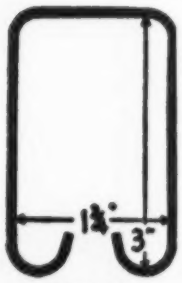


Allith Track
No. 240-X 16 gauge
No. 242-X 14 gauge

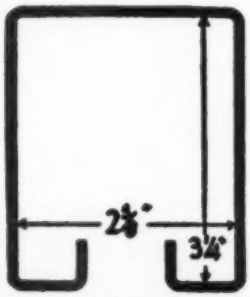


Allith Track
No. 270-X 14 gauge

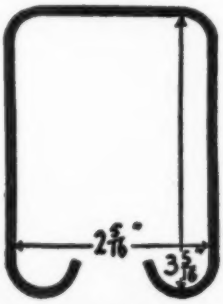
Brackets available for any of these tracks to meet any condition. Track sections shown half size.



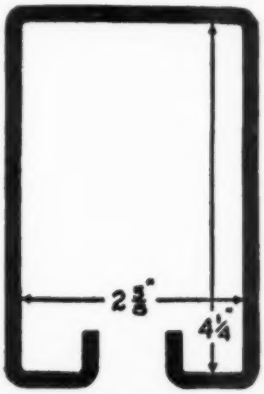
Allith Track
No. 71-X 14 gauge



Allith Track
No. 280-X 13 gauge
No. 288-X 10 gauge



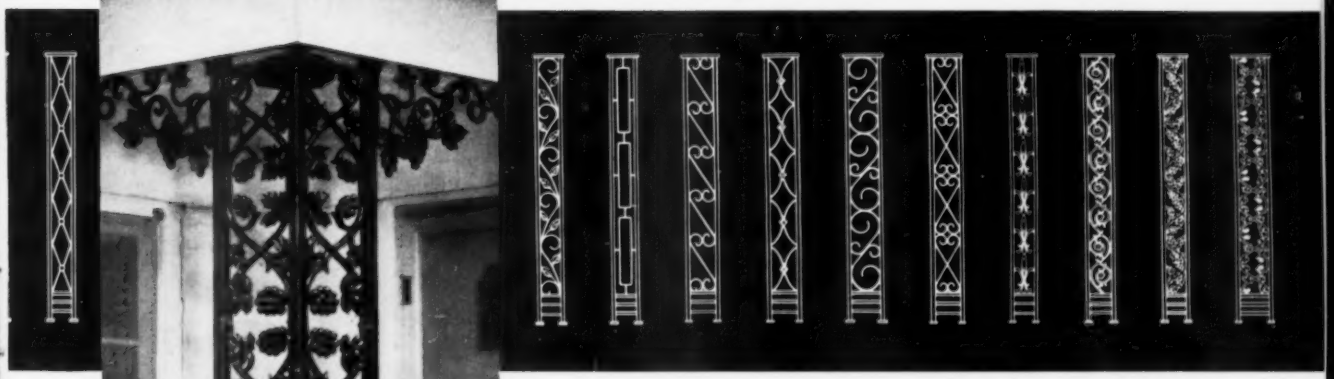
Allith Track
No. 67-X 13 gauge
No. 68-X 10 gauge



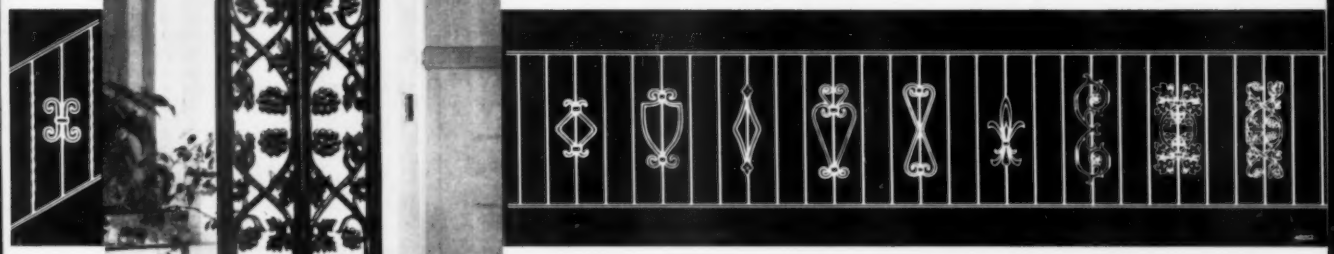
Allith Track
No. 290-X 10 gauge

ALLITH-PROUTY, INC. DANVILLE, ILLINOIS

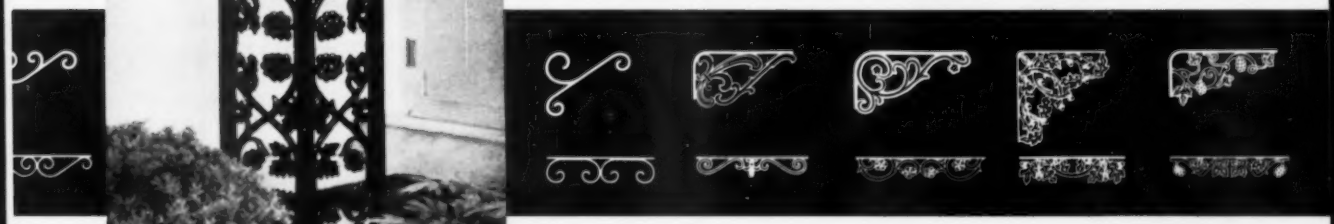
Standard size ornamental iron is giant size business—



let Colonel Logan Ornamental Iron



add a whole new profits column



to your business in 1960!

Standard size ornamental iron sells because it saves . . . up to one-third over custom ironwork . and Colonel Logan is far the biggest and best line on the market. Colonel Logan offers the widest selection of handsome designs to you and your customers. Stock is easy to maintain in minimum space . . . **quick delivery keeps pace with big demand, fast turnover.** Installation is simple, for your crews or your do-it-yourself customers — no special training or tools needed. Illustrations above show only part of the many top quality columns, railings, valances, ornaments, accessories. Luxurious cast iron and wrought patterns suit every home, appeal to every buyer. Columns meet building codes — often prove lower-cost than other supports they eliminate. Most homes need Colonel Logan railings for safety — meaning year-round sales for you.

SEND for free complete sales and advertising kit **today.** It includes far the finest selling catalog in the business, convincing direct mail materials, giant wall chart in color; everything you need to plan and promote sales.

Colonel Logan

ORNAMENTAL IRON

LOGAN CO., 531 CABEL ST., LOUISVILLE 6, KY.

it's TECO
for products of
PROVEN PERFORMANCE

TECO WEDGE-FIT SPLIT RINGS
. . . for economical clear span TECO Trussed Rafters

TRIP-L-GRIP
Framing Anchors . . . for stronger framing of roofs, floors and walls

. . . and the NEWEST in FRAMING DEVICES

TECO-U-GRIP
Joist and Beam Hangers . . . for better joist support at ½ the cost of old style hangers

DU-AL-CLIP
Framing Anchors . . . the all purpose economy framing anchor with dual grip action

TECO FAS-LOK
Metal Cross Bridging . . . the new MODERN bridging that needs no nails

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AB-603

Majestic THULMAN WOOD-BURNING FIREPLACES
solve all problems - - from hearth to chimney-top!

. . . also your choice of mastic-applied black marble or black glass "surrounds". Fireplace and chimney completely fabricated of corrosion-resistant alloys and stainless steel. Attractive chimney-tops look amazingly like brick. AND, you give homeowners fireplace performance that wins quick, full and *lasting* satisfaction. Write for full information now on Majestic THULMAN Fireplaces and Chimneys.

The Majestic Co., Inc.
433 Erie Street, Huntington, Indiana

FAMOUS COAST-to-COAST

IMPERIAL **Lux-Right®**

STEEL AREAWALLS
The Nation's Best

AREAWALL HEADQUARTERS
- COMPLETE LINE
- ALL GRADES
- ALL SHAPES
- ALL SIZES

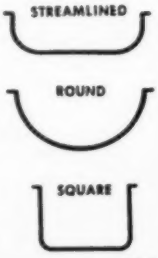
WE MAKE the Corrugated Steel Areawall you want. Special sizes, too, for "mammoth" split-level installations.

IMPERIAL LUX-RIGHT: The Nation's Best, Brilliant, Light-reflecting, Extra Sturdy. Heavy zinc coating by hand-dipping *after* fabrication.

ECONOMY LUX-RIGHT: For medium-priced homes and housing developments. Of 16-gauge pre-galvanized steel sheets.

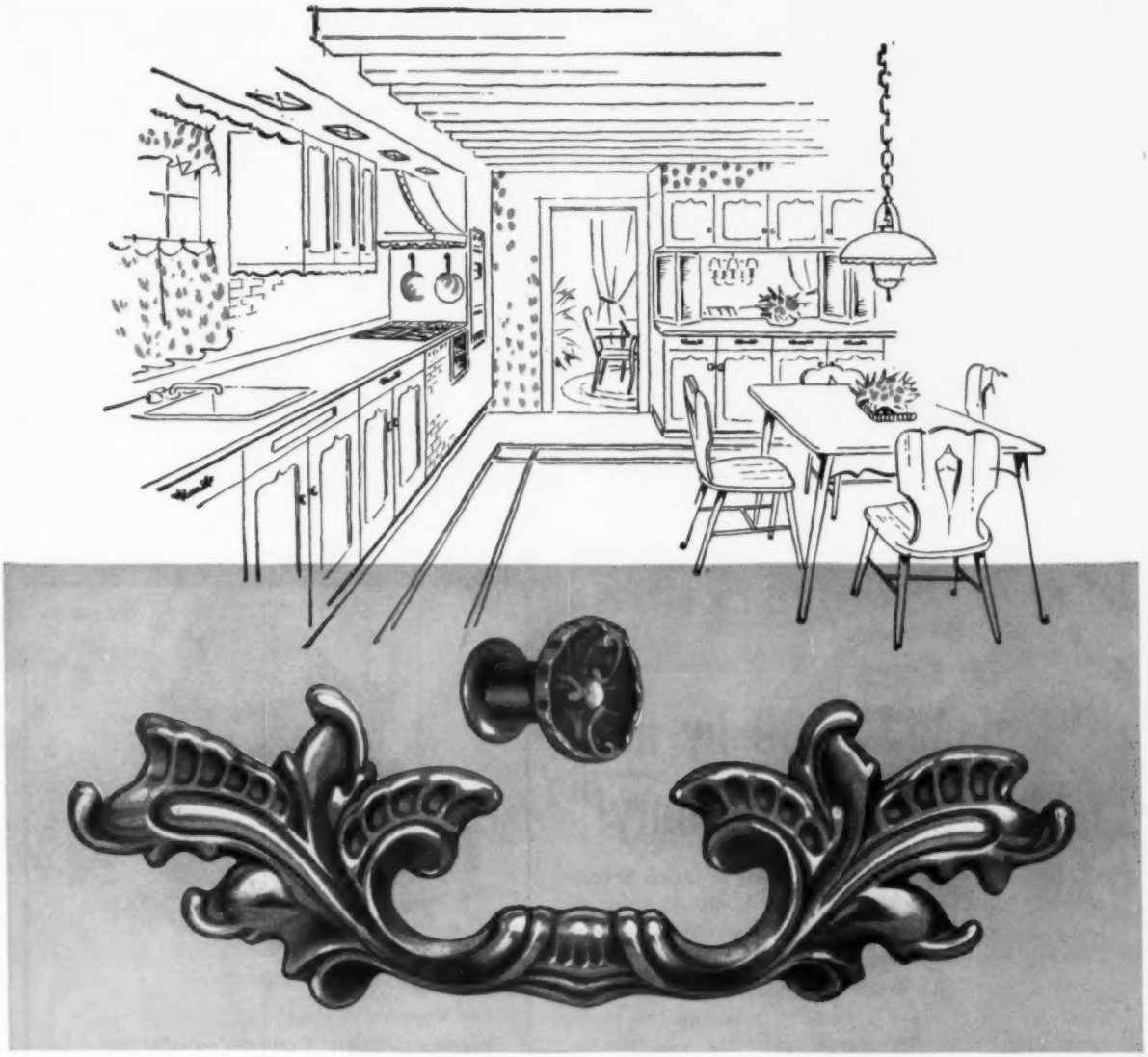
THRIF-T: For lower-priced housing. Full depth corrugations. Tight-coat galvanized.

WE PREPAY FREIGHT on 12 units or more. See your dealer or distributor, or write us. FREE Folder.



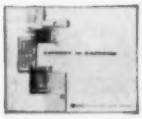
AB-4

SAINT PAUL CORRUGATING CO.
Expert Fabricators of Sheet Metal Products for 75 Years
SOUTH END WABASHA BRIDGE · SAINT PAUL 7, MINN.



Provincial period-inspired cabinet hardware by Medalist is the perfect answer to today's increasing popularity for French Provincial decor. These authentically styled pulls, knobs and escutcheons, in various sizes, are richly finished in Antique English for application on natural or painted cabinets and built-ins. Your building material supplier has this popular decorative hardware on display now.

Write for sample Medalist Home Merchandising Aids Kit with N.A.H.B. award-winning "Harmony-in-Hardware" Brochure included



Medalist®

MEDALIST HARDWARE DIVISION
NATIONAL LOCK COMPANY
ROCKFORD, ILLINOIS

"I made $2,000 by not laying up this masonry!"

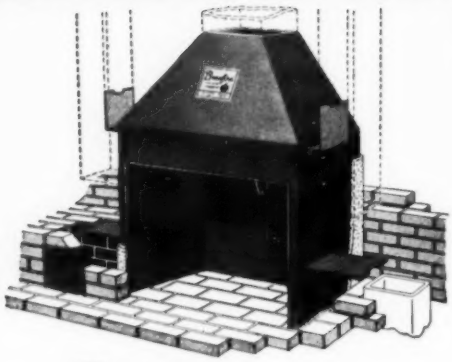
"This picture shows me standing next to about 30 tons of bricks. That's how much material I actually saved on last year's jobs by using Benefire, the complete fireplace form . . . averages about a ton a job . . .

"How do I make money by *not* laying up masonry? Well, in the first place, Benefire takes all the time-consuming "tricky" elements out of the job, because the combustion chamber, throat damper, down-draft shelf and smoke dome are *scientifically* built right into the unit. Benefire does away with fussy, diagonal courses, fancy ductwork and expensive, free-hand corbelling. That means I save plenty of *hours* on every job —as well as almost a *ton* of brick and mortar.

"As a result, I get more fireplace jobs than any other mason—because I can actually charge *less* and *net more profit* on every job. And with Benefire, I can *guarantee* a perfect, smoke-free fireplace every time!"

See your dealer today for details on the complete Bennett line, or write for complete catalog to Bennett-Ireland Inc., 460 Market St., Norwich, N. Y.

BENNETT-IRELAND INC.
Chartered in 1906
NORWICH, NEW YORK



How *Benefire*® Cuts Costs and On-the-Job Time . . . boosts profits and Customer satisfaction

1. **Complete Form** from hearth to flue—just follow simple directions and you've got it made—quickly, profitably, perfectly.
2. **Square sides** eliminate fussy diagonal courses—save masonry . . . provide bigger heating capacity.
3. **All-around sealing flange**—speeds construction—prevents smoke leaks into room.
4. **Adjustable flue connection**—just cut two tack welds to take larger size flue tile.
5. **"Ductops"**—exclusive "knockout" forms make it cheaper to build ducts than to lay solid masonry.
6. **Tight-closing Damper**—seals tightly *without packing*—stops heat loss from room, annoying drafts when fireplace is not in use.
7. **Opening** proportioned to give broadest view of fire and most radiant heat.

AUTHORITIES ON FIREPLACES

Leading Scorer!

Kitchen Kompact Cabinets score high in a recent survey conducted by Kitchen Business regarding trends and features most wanted in wood kitchen cabinets.

Check the features shown here! You'll see why more dealers (and consumers) want Kitchen Kompact.

Inquire for choice distribution areas still open

Warehouse stocks are carried by distributors in most major cities. Write today for the one nearest you.

KITCHEN KK KOMPACT

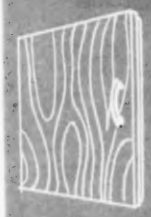
Kitchen Kompact INC.

911 E. 11th St., Jeffersonville, Indiana

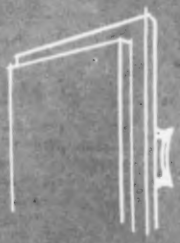
FAST DEPENDABLE DELIVERY

to anywhere in the U.S.
Made possible by one of the most modern efficient plants in the industry today.

QUALITY WITH LOWER PRICE



MORE UNIFORMITY OF FINISH. WARM TONED BIRCH



LIPPED DOORS

COPPER HARDWARE

MORE CORNER UNIT SIZES - ALL REVERSIBLE

PLUS - ROUNDED DRAWER INTERIORS

Stronger than conventional and easy to clean.

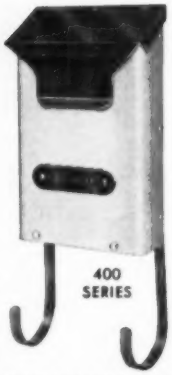
MACKLANBURG-DUNCAN CO.

BEST WAY TO "STEP UP" SALES

Quality Hardware

700 SERIES

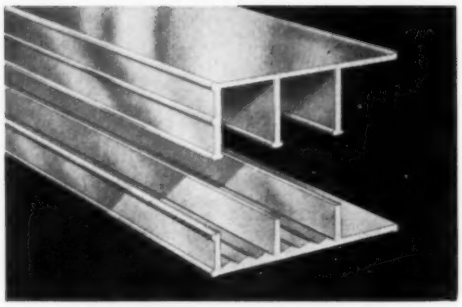
500 SERIES



400 SERIES

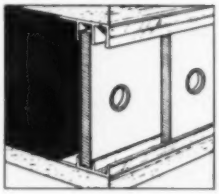
M-D MAIL BOXES

Anodized Aluminum mail boxes in 3 distinctive styles. Choice of 6 gorgeous color combinations. Never rust, tarnish or need polishing. FREE engraved name plate available with every box.

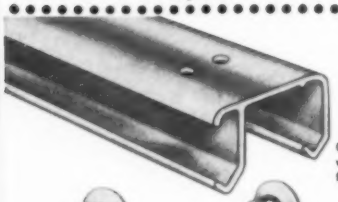


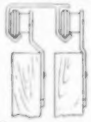
M-D *Aluma-Slide* SLIDING DOOR TRACK

With new improved lower track, panels slide along on smooth ridges—not one flat surface. For any size cabinet. Any panel material. Comes in decorative Alacrome, Anodized Albras, Anodized Albright or Anodized Satin. Completely packaged sets. Holes drilled—screws furnished.

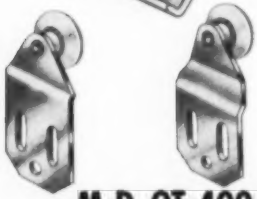


Sets available for 1/8", 1/4", 3/8", 1/2" or 3/4" sliding panels of glass, plywood, masonite, etc.





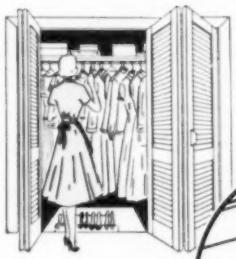
On 3/4" doors, hanger RV-1 with deep offset is used on front panel.



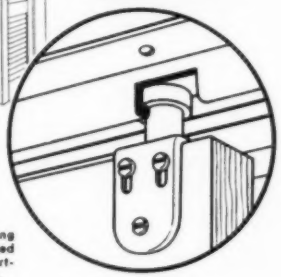
On 1 3/8" doors, hanger RV-1 with the deep offset goes on back panel.

M-D OT-400 REVERSIBLE SLIDING DOOR HARDWARE

Saves time! Cuts installation costs! OT-400 hangers are used on either 3/4" or 1 3/8" doors just by reversing their positions. Sturdy extruded aluminum track with built-in no-jump feature. Cadmium steel hangers with silent nylon wheels. Tubular packaged sets for 3, 4, 5, 6, and 8 Ft. lengths.



M-D FOLDING DOOR HARDWARE



OPERATES SMOOTHLY

Silent nylon bearing gliding in top quality extruded aluminum track assures effortless, trouble-free operation.

Here's hardware that can't be matched for ease-of-operation, ease-of-installation! M-D Folding Door Hardware can be used on any interior door, on any thickness, for every opening! Gives full access to closets, yet saves valuable wall and floor space.

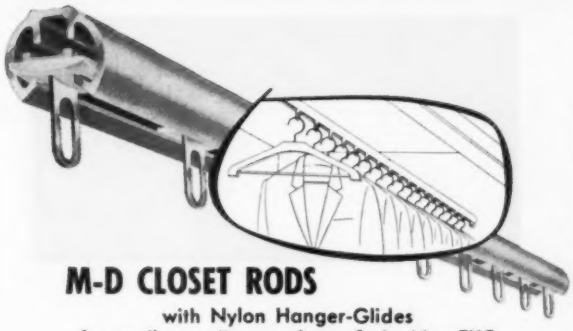
MACKLANBURG-DUNCAN CO.

BUILDERS Sold by Leading Hardware, Lumber and Building Supply Dealers.

DEALERS ORDER TODAY your order will receive prompt shipment.

...“STEP OUT” WITH THE BEST!

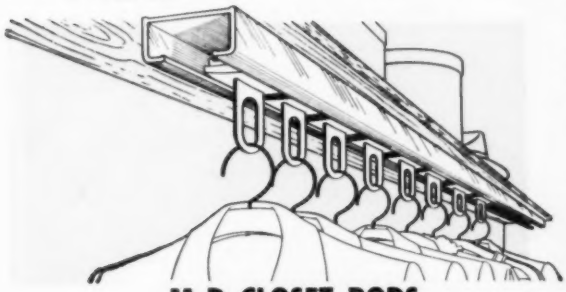
and Building Products



M-D CLOSET RODS

with Nylon Hanger-Glides
for wall-to-wall mounting—Style No. EXC

Handy M-D Nylon Hanger-Glides slide along the sturdy, extruded aluminum rod silently and smoothly—with just the flick of a finger. It means no more tugging and pulling for clothes. Neater closets. Come in 4 different, beautiful, anodized finishes. Each package contains closet rod, hanger-glides, end brackets, screws and instructions.



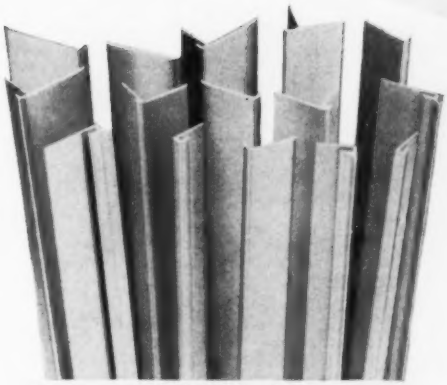
M-D CLOSET RODS

with Nylon Hanger-Glides
Shelf-Mounted. Style No. CRM

Sturdy extruded aluminum is easily mounted under shelf. Comes in 4 attractive, anodized finishes. Smooth sliding Nylon Hanger-Glides are easily slipped into the mounted rod. May also be attached to ceiling for use with shower curtain, or to top of window or cornice for use as a drapery rod. Completely packaged sets in 9 lengths from 36" to 96".

M-D ALUMINUM LEVELS

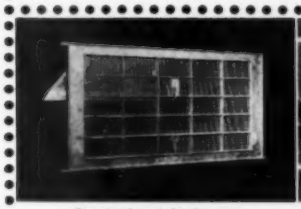
Both pro and amateur are attracted to this gleaming, sturdy, extruded aluminum level. It's a high quality, precision tool at a sensible price. Tough, non-breakable Pyrex vials are replaceable. Glossy red interior with silvery satin top and edges enhance its appearance. 10 sizes from 18" to 96". Individually packed in Poly tubing.



M-D MOULDING AND TRIM

All shapes available in Anodized finish

Wide variety of shapes and sizes for all thicknesses of material. Available in permanent, high quality anodized aluminum finish—also furnished in polished aluminum, brass or stainless steel. Whether anodized or polished, the finish is unsurpassed in quality. Through constant checking and control, M-D produces a satiny anodized finish that is both beautiful and permanent.



Standard weight for use between floor joists

Extra heavy built for heavy duty

M-D FOUNDATION & CORNICE VENTS

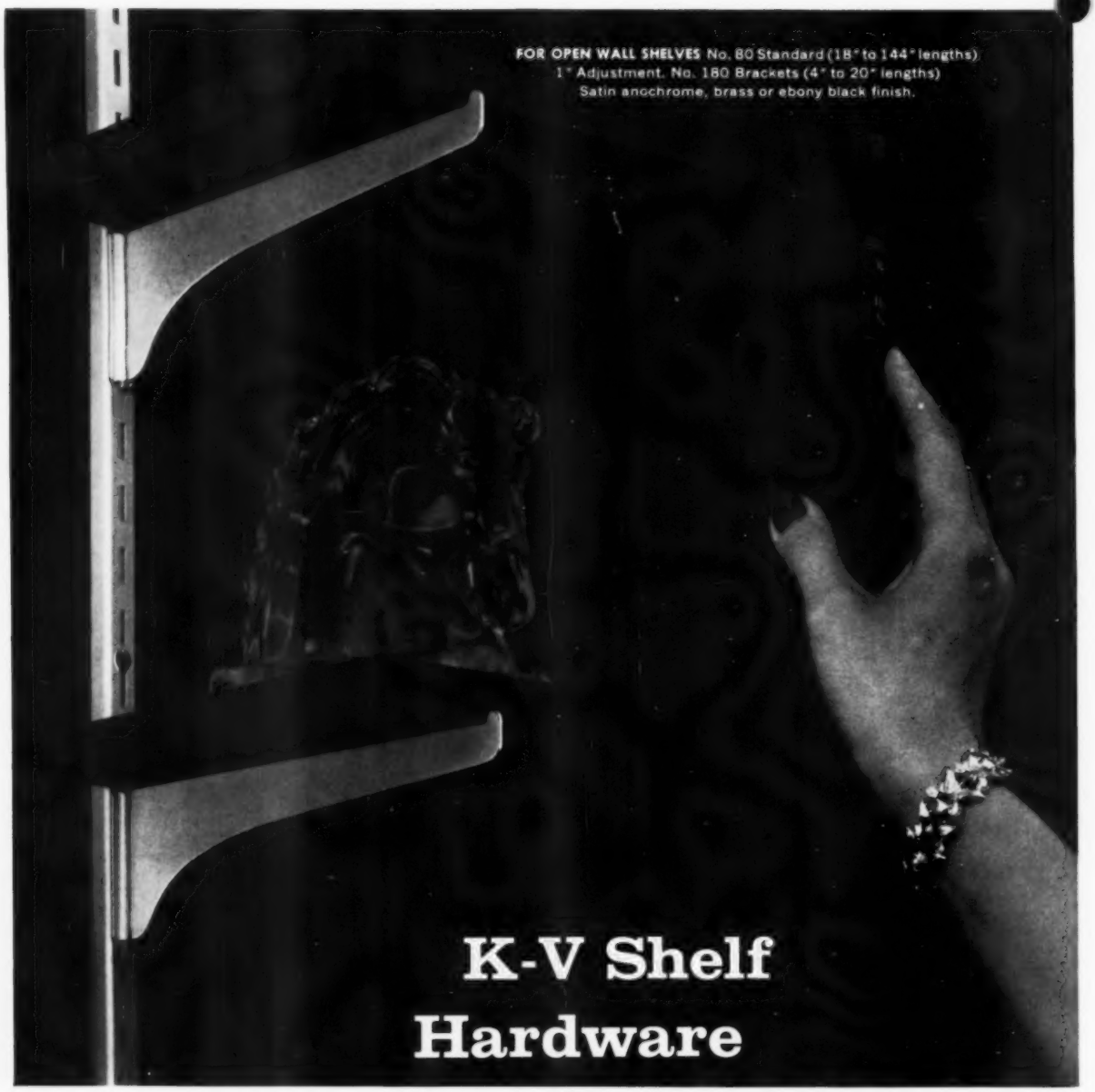
Here's variety to meet your customers' needs. Die-cast aluminum vents for crawl spaces or cornices . . . in 2 styles for brick or concrete block construction. M-D Louvered Cornice Vents are made of heavy-gauge stamped aluminum with reinforcing ribs for extra rigidity. Also available in Anodized Albras finish. Two sizes—4"x16" and 8"x16". Easy and ready to install. Dozens of uses for ventilation in new homes or for remodelling.

No. 416 Louvered Cornice Vent

No. 816 Louvered Cornice Vent

MACKLANBURG-DUNCAN CO.

Manufacturers of Quality Building Products • Box 1197 • Oklahoma City 1, Okla.



easily installed, easily adjusted!

FOR BUILT-IN SHELVES No. 255 Standard (24" to 144" lengths) ½" Adjustment. No. 256 Support (¾" long, ⅝" wide.) Nickel, zinc or bronze finish.

For low cost, decorative effects or storage facilities wherever they're needed. Easily installed, easily adjusted. Lasts the lifetime of the home. Always keeps shelves straight, strong and sag-free. Ask for complete catalog.

KNAPE & VOGT MANUFACTURING CO.
Grand Rapids, Michigan

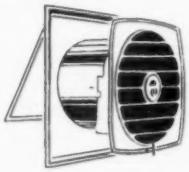
KV FIXTURES

Manufacturers of drawer slides, sliding and folding door hardware, closet and kitchen fixtures and Handy Hooks for perforated board

APPLIANCES

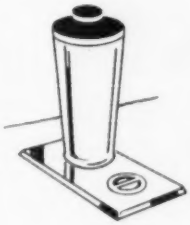
Check Page of Appliance Extras

Not all the units shown here are termed "appliances". In the opinion of our editors they are, however, "appliance extras"...units which are fast becoming standard equipment in new houses. Since they often tip the scales in favor of a house's saleability, we suggest: check this page before planning your next model house.



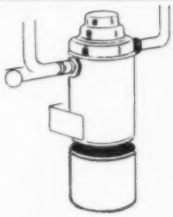
EXHAUST FANS: Available for vertical or horizontal discharge of air from kitchen. Can be installed in ceiling; through wall; in cabinet. For vertical discharge of air from bathroom, units are available without extras; with light; with heat; with heat and light, and with infra-red sun lamp. Most kitchen units come in two sizes: with an 8" blade and with a 10" blade, and fit into openings 9" and 11", respectively. Bathroom fans available in 10"-14" diameters, approximately.

INCINERATORS: Average dimensions for incinerators—18" wide, 36" high, 24" deep. Both gas and electric models are available. Most new gas models are double-burning, resulting in "smokeless-odorless" operation. Both types require a Class A flue. Neary all types are sold with a one-year warranty. Check local codes for rules on installation.

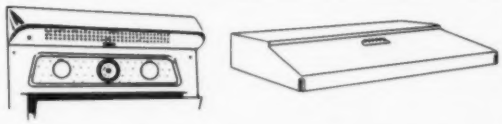


FOOD CENTERS: Installs so that power unit is below surface of counter. Connects to 115-volt AC outlet. Generally has six speeds. Is sold with or without its attachments, which include a mixer, blender, fruit juicer, knife sharpener, and meat grinder.

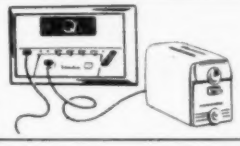
GARBAGE DISPOSERS: Are from 12" to 15" in length. Most operate with 1/3 HP, although 1/2 HP residential units are available. Need 115 volt 60 cycle outlet. Most disposers have a one- or more-year warranty. Average net weight is 25 lbs. Nearly all units are continuous feed types, and many have a safety mechanism to prevent jamming. Budget and deluxe models available.



BUILT-IN VACUUM SYSTEM: Cannister and power units are generally installed in basement, garage, closet or utility room. Ducts run under floors, between studs. Three to five outlets are sufficient for the average home. Units vary from 2/3 HP to 1 1/2 HP. Operates on 115 Volt, 60 Cycle current.

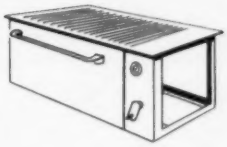


RANGE AND OVEN HOODS: Available with and without exhaust fans, light. Also available from some manufacturers with built-in radio-intercom, and range controls. Units produced for use over range tops, free-standing ranges set against wall, and for range tops built-in to counter island. Oven hood generally made in 24", 27" and 32" lengths. Range hoods made in lengths from 24" to 48".



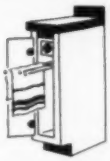
APPLIANCE CENTER: Generally installed on wall over kitchen counter. Fitted with circuit breakers, clock and automatic timer. Has pull-out plugs and sockets. Range from 30 to 45 amp service.

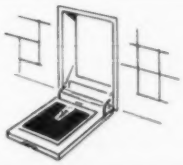
BARBECUE GRILLES: Are built for both indoor and outdoor use. Units in sizes calling for rough openings of from 22" to 36" long; from 17" to 22" wide and approximately 11" deep. Some are made with electric rotisserie, hood, timer and storage drawer, or any combination of these. Often installed with gas jet to start charcoal.



DOOR CHIMES: Available in a variety of styles and sizes from about 4" x 7" to 8" x 15". Can have two notes for front door, one note for back door, up to eight chords for front door, four chords for back door, and a number of combinations of these arrangements.

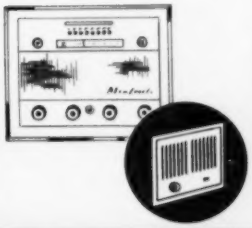
TOWEL DRYERS: Designed for use in kitchen, unit is cabinet with heater and fan built-in—9" to 15" widths. Also available: a bathroom towel rack with heating unit built-in to bars: 28" x 14".





BUILT-IN SCALES: Fits into bathroom wall recess. Housing for unit is roughly 14" x 23", with outside dimensions, 16" x 25". Lowers to floor on spring.

INTERCOM SYSTEMS: Most popular units have radio (some are transistor type), inter-communication system for each room in the house and for front door. Other models have clock with alarm and timing devices, 115 volt 60 cycle outlets, and phonograph jacks. Average outside panel size is 9" x 11".



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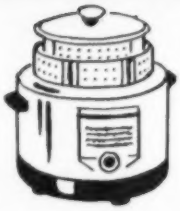
NOTE: For information on manufacturers of any product described here, check the yellow pages or write to Buyers Guide Editor, American Builder, 30 Church Street, New York 7, New York.

APPLIANCES

Dimensions of Small Appliances

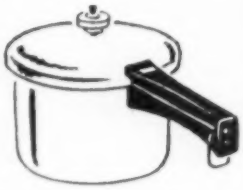
BLENDER
(6"-8") x 8" x (14"-16")



DEEP FRY
(8"-11") x (7"-11") x (9"-13")

COFFEE POT
(9"-13") x 14" x 9"

IRON
(8"-10") x 4" x (4"-5")

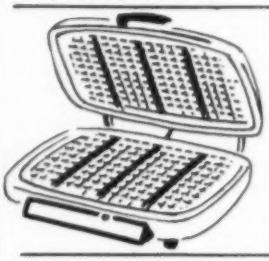


PRESSURE COOKER
(9"-10½") x (15"-16")

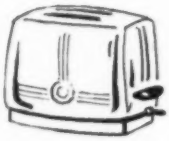
WAFFLE IRON
(11"-14") x (11"-14") x (3"-4")

ROASTER OVEN
(12"-13") x (14"-18") x (21"-24")

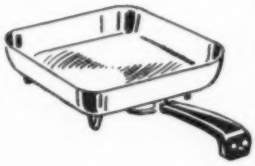
CORN POPPER
9" x 14" x 9"



GRILL
(9"-10") x (15"-18") x (2"-5")

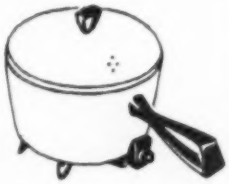


TOASTER
10" x 7" x 6"



FRY PAN
12" x 12" x (4"-5")

HAND MIXER
6" x 5" x (2"-3")



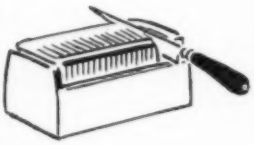
SAUCEPAN
(8"-14") x (8"-10")

ROTISSERIE
(22"-24") x (14"-16") x (14" x 18")

COFFEE BREWER
6" x 9" x (10"-12")

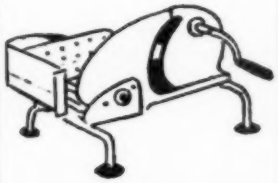
MIXER
(7"-8") x (12"-14") x 14"

ICE CHOPPER
8" x 4" x 10"



KNIFE SHARPENER
6" x 3" x 3"

ICE CREAM FREEZER
(8"-12") x (8"-12") x (12"-19")

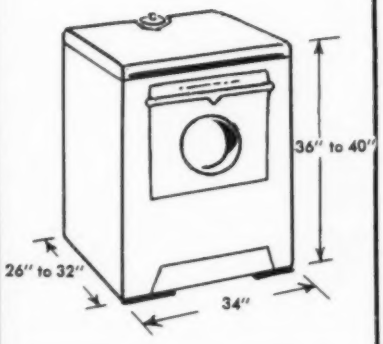


SLICER
13" x 10" x 10"

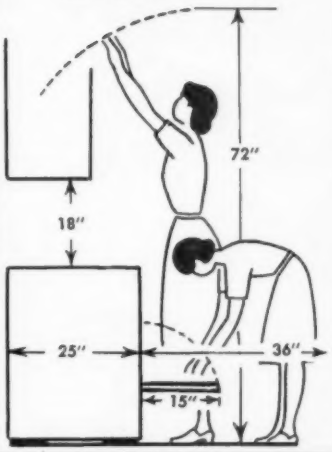
17

Laundry Planning Standards

WASHER

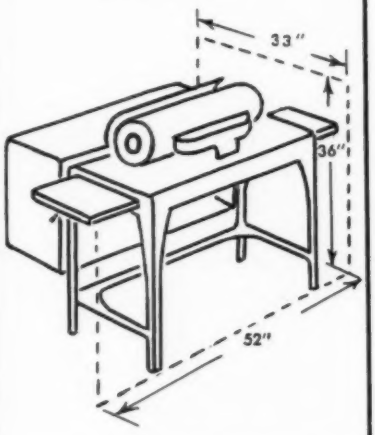


Minimum work space for washer and dryer.

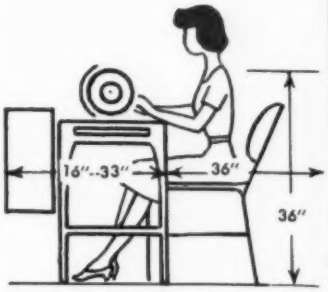


DRYER

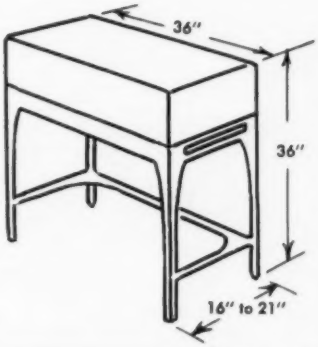
IRONER OPEN



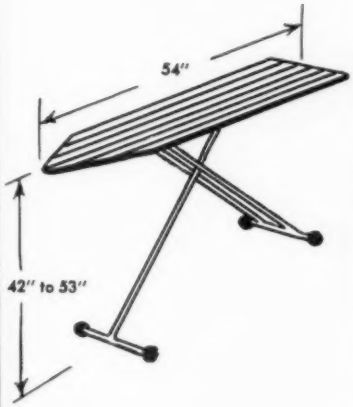
Minimum work space for ironer.



IRONER CLOSED

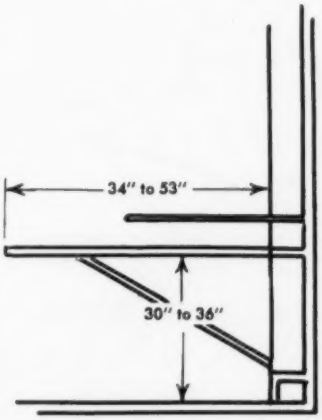


IRONING BOARD



Minimum work space for ironing board.

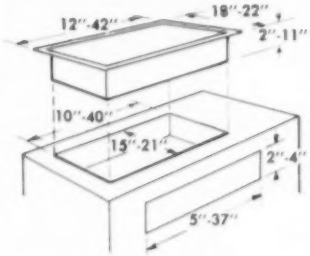
BUILT-IN IRONING BOARD



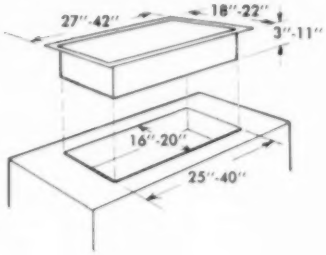
APPLIANCES

Planning for Kitchen Built-ins

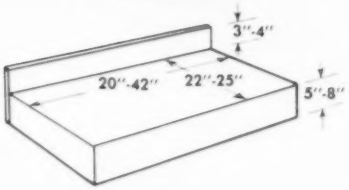
DROP-IN RANGE (FRONT VENT)



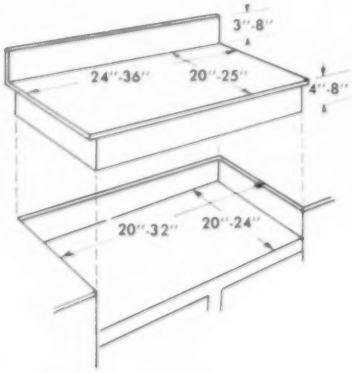
DROP-IN RANGE (NO VENT)



STACK-ON RANGE



COUNTER-TOP RANGE

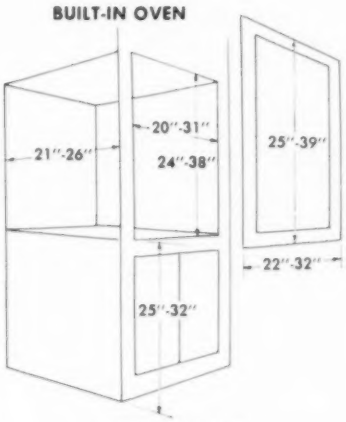


NOTE

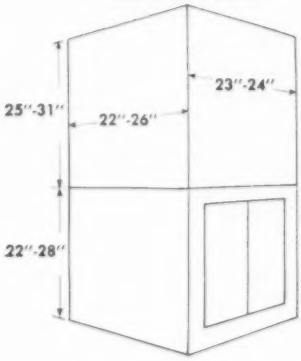
Both gas and electric models are available for each of the units shown here. Check with your supplier for exact dimensions. Oven measurements here only include single door integral broiler types. Double door (with separate broiler) and double oven types are also available.

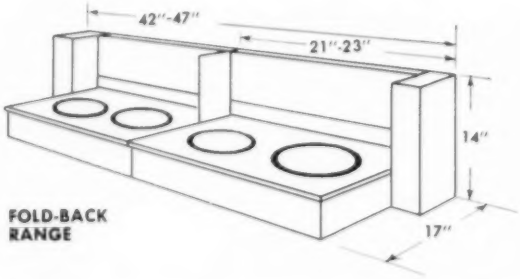
For a list of manufacturers, check the yellow pages of this directory or write to the Buyers Guide Editor, American Builder, 30 Church St., New York 7, N. Y.

BUILT-IN OVEN



STACK-ON OVEN

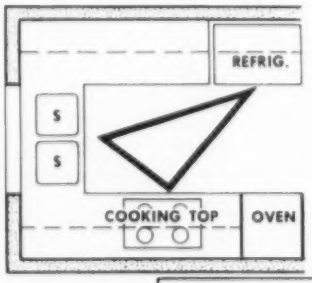




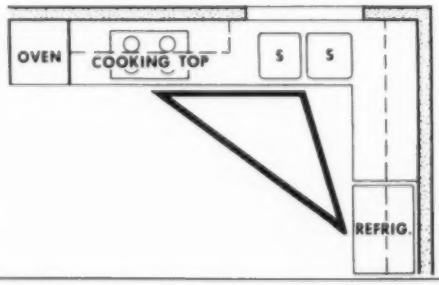
FOLD-BACK RANGE

THREE BASIC KITCHEN PLANS

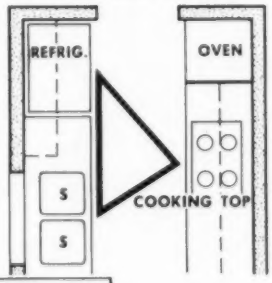
THE U-SHAPED KITCHEN



THE L-SHAPED KITCHEN



THE CORRIDOR KITCHEN



NOTE

Before planning your kitchen, divide the space into three general work centers: cooking and serving; food storage and preparation, and clean up. Ideally, these areas should be located at the points of a triangle. The distance between each point of the triangle should be as small as possible, and at the same time allow enough space to move easily from point to point. There should also be adequate work surfaces and storage space at each center.

17

AN EXCITING, NEW FINISH! "BRUSHED CHROMETONE" LOOKS LIKE STAINLESS STEEL

... at a fraction of the cost!

LOOK TO Leigh (RHYMES WITH) QUALITY

Leigh BUILDING PRODUCTS

IN FOUR SIZES, 30", 36", 42" ...

AND FOR THE FIRST TIME ... 24"

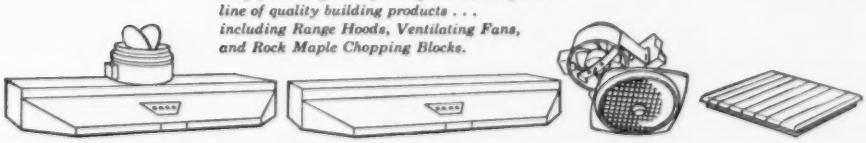
This revolutionary new Brushed Chrometone finish, with a permanent abrasion-resistant coating, has all the soft, satin beauty of stainless steel, yet sells for a price only 5% more than Leigh's popular Coppertone. Now available exclusively with Leigh 5400 series economy Range Hoods.

FEATURES:

- GOLD ANODIZED TEXTURED ALUMINUM CONTROL PANEL.
- COMPLETELY ASSEMBLED AND WIRED.
- NOISELESS 6-BLADED FAN WITH 593 CFM FREE AIR.
- NO ADAPTERS NEEDED. FITS CONVENTIONAL 8" DUCT.
- TOTALLY ENCLOSED MOTOR.

Build bigger profits in '60! Contact your Leigh Dealer immediately or write for catalog #268-L.

Only from Leigh can you buy such a complete line of quality building products . . . including Range Hoods, Ventilating Fans, and Rock Maple Chopping Blocks.



LEIGH BUILDING PRODUCTS, COOPERSVILLE, MICH., DIVISION OF AIR CONTROL PRODUCTS, INC., 1860 LEE STREET, WEST COAST WAREHOUSE: LEIGH INDUSTRIES (CALIFORNIA) INC., 649 SOUTH ANDERSON, LOS ANGELES, CALIFORNIA. MADE IN CANADA BY: LEIGH METAL PRODUCTS, LTD., 72 YORK STREET, LONDON, ONTARIO. PRAIRIE PROVINCES AFFILIATE: LEIGH-TORNEL DISTRIBUTORS LTD., 549 ARCHIBALD STREET, ST. BONIFACE, MANITOBA — COPYRIGHT 1960 LBP-ACP., INC.

WIN A HAWAIIAN HOLIDAY

A fun-filled trip to America's Paradise in the Pacific awaits the nation's top builders and their wives in the...

HOTPOINT MEDALLION HOME PROGRAM

MEDALLION HOME ® LIVE BETTER ELECTRICALLY

Now, a complete advertising and merchandising program to help you cash in on the public preference for Hotpoint appliances, plus 1960's greatest sales-clincher—Hotpoint Electric Baseboard Heating. This dynamic program is power-packed with everything needed to give your home sales a sensational start in '60. Call your Hotpoint distributor for complete details today!

- ★ DRAMATIC FULL-COLOR MAGAZINE ADVERTISING
- ★ NATION-WIDE NEWSPAPER ADVERTISING
- ★ PROSPECT-PULLING DISPLAY MATERIALS
- ★ PROFESSIONALLY-PREPARED HANDOUT BROCHURES
- ★ SALES-BUILDING KITCHEN PLANNING SERVICE
- ★ PROVEN PUBLICITY PROGRAM
- ★ PLUS SPECIAL MERCHANDISING ASSISTANCE

Hotpoint

A Division of General Electric Company, Chicago 44, Illinois

ELECTRIC RANGES • REFRIGERATORS • AUTOMATIC WASHERS • CLOTHES DRYERS • CUSTOMLINE® • DISHWASHERS
DISPOSALLS® • WATER HEATERS • FOOD FREEZERS • AIR CONDITIONERS • ELECTRIC BASEBOARD HEATING

WHAT'S New AND ▶ WHAT TO DO ABOUT IT

(*Continued from page 15*)

election year. Although Congressman Rains' "Emergency Home Ownership Act" was approved 18 to 7 by the House Banking Committee, there was doubt that the $1-billion bill to spur building would pass. And even if it should muster the necessary votes, predictions are that President Eisenhower would veto it.

Indications are that a bill merely extending FHA's insuring and repair loan authority may be all that will weather the election year.

Apartment pace steps up

More builders are putting up apartments this year than last. And according to predictions of building economists, this is a trend that will continue through the sixties. Basic reason is that sharp increases are taking place in the number of both young families and older families both want small apartments.

Capitalizing on these trends, many home builders are diversifying their activities by building a few apartments in addition to their single-family houses. In some cases this is done as an investment for themselves; in others, as a joint investment project with others. In either case, builders tend to construct apartments with the same crews and techniques employed in their home operations.

▶ Key to the apartment building business is equity money. Assemble data on local profit potential to invite participation of investors as a joint venture.

Tight money costing $1,200 a house

Builder Herbert Sadkin of Long Island told the House Banking Subcommittee that the tight money policy of the government is adding an average of $1,200 to the cost of building and selling the typical $15,000 house.

Predict 3.8% rise in home prices

The average retail sales price of new homes will rise 3.8% in 1960, reports the Federal Home Loan Bank Board. Its survey of 2,000 member associations indicated an average retail price of $18,360.

Outlook for spending: Bullish

U. S. Consumers are bullish, and their optimism over business conditions is at a new high, a survey by National Industrial Conference Board, sponsored by Newsweek, indicates. Builders will learn with interest that the survey shows new home buying plans up 18 per cent, and plans to buy old houses up 10 per cent, over last year. NICB economists think tight money isn't as big a deterrent as expected.

20 homes—typical NAHB builder

After polling 16,000 of its builder members on their activities, NAHB reports its "typical" builder is 41 years old, has been in business 11 years, builds 20 houses a year. His major price bracket is $18,000.

Expert to train modernizers in new techniques and methods

A new approach to modernization on a national scale is being launched by Herbert Richheimer, one of the country's largest and best known home improvers.

He plans to help 1,000 selected contractors set up systematized home improvement firms, aiming at a minimum volume of $750,000 for each. Richheimer's remarkably successful methods will be employed through a franchise management plan. This will make available:

- Estimating procedures that maintain a record of less than 1 per cent error in price.
- Accounting and cost control methods that assure 5 per cent net profit.
- Merchandising and sales techniques that have doubled the Richheimer business in each of the past three years.
- Training of management, sales and supervisory personnel.
- National advertising of the entire franchise network, plus a monthly advertising service for participants.
- Instructions in a variety of unique building methods, including the addition of an entire second story to trussed-roof ranch homes.
- National financing to supplement local sources that are inadequate.
- Continuing management assistance, including on-the-spot consultation and analysis.

Initially, Richheimer said, RMS will train a "pilot group" of 15-20 modernizers and launch each in his system this spring. On the basis of this experiment, RMS hopes then to train as many as 25 other franchised modernizers per month, starting July 1st.

▶ Contractors or builders who are interested should write or contact Richheimer Modernizing Systems, Inc., 280 Madison Ave., New York 16, New York.

Rangaire Builder-Engineering-Research brings you
of products . . . to please your prospects and

Rang

a complete line
profit you . . .

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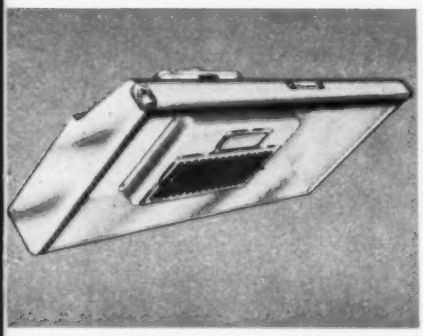
Builder-Engineered Products!

Designed, Engineered, Manufactured, and Priced to give you the *Quality, Style,* and *Features* you need for maximum sales appeal . . . with a range of *prices to fit any budget.*

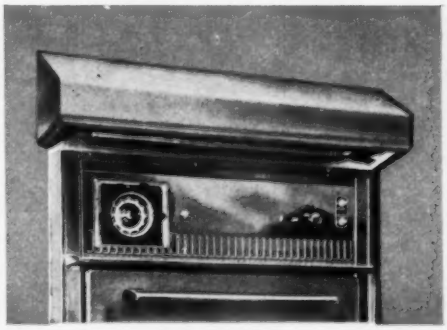
Rangaire Builder-Engineered Products are designed to help you "upgrade" your homes for more buyer appeal—yet keep you in the market you're trying to sell. You get Top Quality Products, Easy Installation, Trouble-Free Performance, and Competitive Prices.

With Nationally advertised Rangaire you can offer your prospects *exactly what they want,* since Rangaire offers you complete flexibility in styling, sizes, and prices. Rangaire Hoods and Radio-Intercoms can be color-matched to all major appliances.

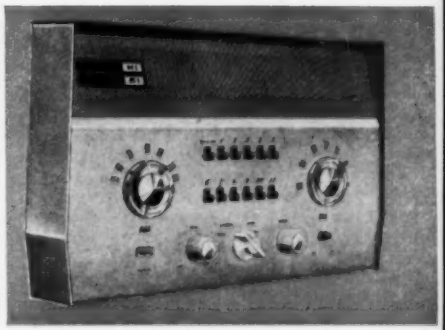
Rangaire Builder-Engineered Products are designed to add to your reputation as a quality builder. Call your Rangaire Dealer today.



RANGAIRE KITCHEN VENTILATING HOODS Come complete, right down to the screws, in one package. Hoods and accessories color-match perfectly with all major appliances. Permanent, Washable Filters, Recessed Frosted Glass Lights, Powerful Exhaust Units. America's most complete line, with sizes and models to fit any kitchen.



RANGAIRE OVEN HOODS Newest addition to the Builder-Engineered line and designed for flexible installation, the Rangaire Oven Hood requires minimum cabinet space. The powerful exhaust vents through either wall or roof. Perfectly styled canopy color-matches all major appliances accurately *at no extra cost.*



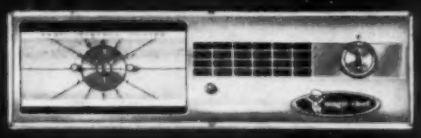
RANGAIRE RADIO INTERCOM SYSTEMS A complete line of models and prices to choose from. Whether you select the economical WR90 or the luxurious AM-FM High Fidelity RI-95, each Rangaire intercom system is Builder-Engineered for easy installation, smart styling, simple operation, and maximum performance. They add new charm and sales appeal to your homes.

TESTED AND SELECTED FOR USE IN NATIONAL nh HOMES VIKING LINE

For additional information write
Roberts Manufacturing Company
Cleburne, Texas
Dept. A12

put

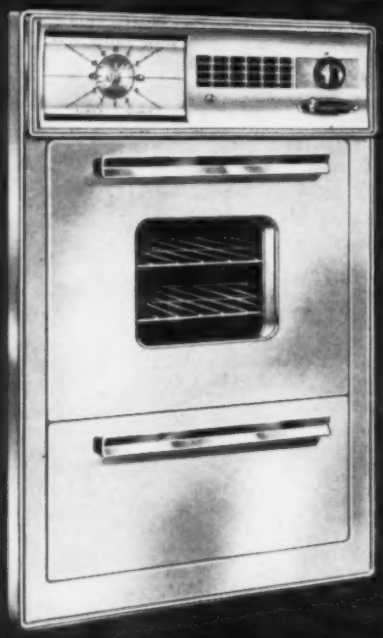
a Touch of



The new Magic Control Center with clock-controlled oven starts and stops the Magic Chef Oven automatically; cooks an entire meal while the housewife is away from home.

Magic in your sales

with new **MAGIC CHEF** built-in ranges



New MAGIC CHEF Built-in gas ranges put a Touch of Magic in the homes you build . . . with new, automatic features, new installation economy and outstanding consumer acceptance.

Today, more than ever, the consumer acceptance of MAGIC CHEF is an invaluable sales asset to you. As an extensive national advertising campaign further expands MAGIC CHEF'S outstanding consumer recognition, today, MAGIC CHEF is the name the modern homemaker knows . . . the range that puts a Touch of Magic in your sales.

New Magic Chef Countermasters with recessed controls in the counter top reduce carpentry to a single rectangular cut.

Magic Chef®

CLEVELAND, TENNESSEE

CUSTOM KITCHENS FOR CUSTOM HOMES...

WITH NATIONAL DISPOSER'S NEW

Citation

POWER SERIES MODEL 744-P

- New Triple Sound Barrier Acusti-Shell for whisper quiet operation!
- New Styling—fresh, clean, modern!
- New Power—½ H.P. Capacitor motor for more efficient performance than ever!
- Power Surge Reversing—the most effective means of clearing a jam!
- New Lok-Top Cover Control—one-piece cover rotates to "grind" (safer—unit operates only with cover locked in "grind"), to "seal" (new positive cam-locking action for leak-proof seal), and "drain" for open drain sink use!

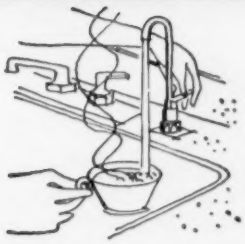
New, new "Lazy Susan"

- The handiest "extra" ever devised—holds bottles, brushes, cleaning materials, sponges, etc. Keeps under-sink area clean and clutter-free!

Other National Models

- New Supreme Model—twin of the Citation in a continuous feed model!
- New Custom—Cover control model.
- New Super—Power Surge Reverse continuous feed model.
- New Sprite—continuous feed model.

THERE'S A NEW NATIONAL FOOD WASTE DISPOSER FOR EVERY HOME, EVERY KITCHEN



NATIONAL Instant-HOT WATER DISPENSER

Let's you "toss away the teakettle"... Pressure-free hot water (190°-200°F.) at a touch—so handy for preparing instant foods and for all the little chores that require "hotter-than-tap" water.

ANOTHER PROFIT BUILDER FROM NATIONAL

For detailed information about the NEW National Disposers and Instant-Hot write.....

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NATIONAL® DISPOSER / Instant-HOT

PRODUCTS OF PLUMBING EQUIPMENT DIVISION • NATIONAL RUBBER MACHINERY CO. • 920 LAFAYETTE RD. • MEDINA, OHIO

NEW HOTPOINT BUILT-INS

MAKE ORDINARY KITCHENS

Model RU35-A

Offer the Extra Convenience of Pushbutton Surface Cooking—at no extra installation cost!

Touch a button and Hotpoint Calrod® Recipe Heat Units give accurately measured heat for recipe-perfect meals every time. Surface section with built-in pushbutton controls needs only one cut-out, fits in a standard 30" cabinet.

1960 Hotpoint Extra-Value Oven puts extra salespower in your kitchen

NEW lift-off door makes oven cleaning easier and faster than ever before.

NEW ventilation system assures natural circulation for better baking on each shelf.

WIDE Super-Oven lets you cook banquet-size meals.

OVEN TIMING CLOCK and Minute Timer.

NEW extra-large Insulated Panorama Window.

REMOVABLE Calrod® bake and broil units.

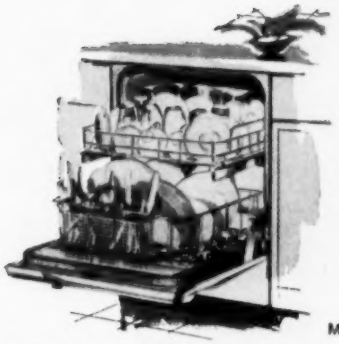
INTERCHANGEABLE Oven Door Panels in Sunburst Yellow, Turquoise, Coral Pink, Copper Brown, Silver Satin and Classic White.

EXTRAORDINARY

AT NO EXTRA COST!

Today's home buyer expects more for his money than an "ordinary" kitchen. And Hotpoint Extra Value built-ins in the kitchen take even the most moderately priced home out of the ordinary . . . and into a sale.

Compare these 1960 Hotpoint Extra-Value built-ins with any others and you'll find only the price is ordinary. Hotpoint's extra features say "better living electrically" the minute your prospects see them. Hotpoint's extra styling and design make any kitchen a showplace. Hotpoint's extra values mean extra salespower for you, extra satisfaction for your customers. For extraordinary results at no extra cost, call your Hotpoint distributor today.



Model DA25-A

EXTRA CAPACITY
Hotpoint Dishwasher holds complete dinner service for 10

See these Extra-Value Features:

- Two washes, two rinses
- Calrod® electric drying
- Front loading Roll-R-Racks
- Lifetime porcelain finish tub

WIN A HAWAIIAN HOLIDAY
in the HOTPOINT MEDALLION HOME PROGRAM

Call your Hotpoint distributor today and see how this dynamic merchandising program can help you sell more homes faster.

MEDALLION HOME ® LIVE BETTER ELECTRICALLY

Model MA25-A

EXTRA powerful
EXTRA quiet
EXTRA easy to install
Hotpoint DISPOSALL®

Designed by plumbers, for extra economical installation. Extra-strong nickel alloy grinding teeth give you added years of outstanding performance.

When you build in Hotpoint, you build in Public Preference

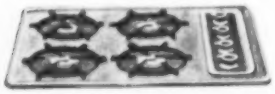
Hotpoint

A Division of General Electric Company, Chicago 44, Illinois

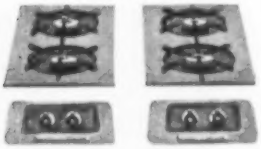
ELECTRIC RANGES • REFRIGERATORS • AUTOMATIC WASHERS • CLOTHES DRYERS • CUSTOMLINE® • DISHWASHERS
DISPOSALLS • WATER HEATERS • FOOD FREEZERS • AIR CONDITIONERS • ELECTRIC BASEBOARD HEATING

HARDWICK BUILT-IN GAS RANGES

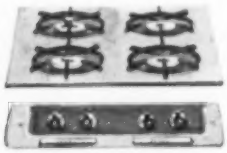
COUNTER UNITS AVAILABLE IN
Brushed Chrome or Coppertone



Drop-In Unit



Divided Unit



Cluster Unit

Dazzling Decorator-Design, Six Sparkling Fashion Colors!

Yellow • Pink • Turquoise • Coppertone
Brushed Chrome • White

Hardwick offers three styles of surface units for maximum flexibility in price and kitchen design. A new, economical Drop-In Unit has controls on the cooking surface, necessitating only one cabinet cut-out. A Divided Unit consists of two, high-speed burners. Two or more of these can be installed. The Cluster Unit, with four, high-speed burners, has control panels in front and is used alone or with Divided Units.

No other manufacturer offers anything like the Hardwick two-oven installation. One oven features the famous Hardwick EquaFlo burner for perfect balanced-heat baking and broiling. The other has MicroRay, the sensational ceramic burner, with the thermostatically-controlled rotisserie. This unique combination speeds sales of luxury homes, such as shown in the illustration below.

Write for full information

FOR HOMES IN EVERY PRICE BRACKET

Hardwick, America's foremost manufacturer of gas ranges, presents a new, greatly expanded line of beautiful Built-Ins . . . six fashion colors, two ovens and three surface unit designs. The most complete, trouble-free, salable line ever offered. Hardwick Built-Ins accent ease and economy of installation — for budget and luxury homes.

Since 1879

HARDWICK STOVE COMPANY
Cleveland, Tennessee

Please send me a full-color folder on the new line of Hardwick Built-In Gas Ranges.

I am a BUILDER ☐ BUILDING SUPPLIER ☐ KITCHEN SPECIALTY FIRM ☐

ARCHITECT ☐ _____ ☐

NAME _____

ADDRESS _____

CITY _____ *STATE* _____

AB-4-60

MORE Popular Practical Profitable

LP-GAS "LIVING PLEASURE" HOMES

More popular with Mrs. Home Buyer— because women everywhere prefer LP-Gas appliances. They like the quicker-cooking automatic ranges and clock-controlled ovens, more economical LP-Gas water heaters and clothes dryers, silent, frost-free refrigeration.

More practical for Mr. Home Buyer— because he knows that the "Living Pleasure" fuel, LP-Gas, gives the cleanest, most economical and dependable heating and air conditioning of all.

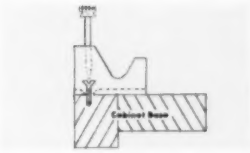
More profitable for you—because LP-Gas homes take less expensive insulation—cost less to build—give you a competitive head start on sales. LP-Gas helps you sell more and make more with homes everywhere—town, suburb or farm. Your local National LP-Gas Council dealer will be glad to show you how. See him this week! You'll know him by this seal:

MEMBER NATIONAL LP GAS COUNCIL

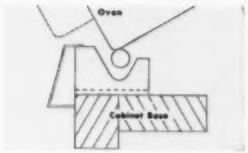
FREE Fact-filled book of uses of LP-Gas (Liquefied Petroleum gas—some call it propane, bulk or bottled gas), the "Living Pleasure" fuel. Write for your copy to **National LP-Gas Council, Dept. F-3, 1515 Chicago Ave., Evanston, Illinois.**

EASIEST OF ALL TO QUICKLY INSTALL...

SAVE UP TO 25% ON LABOR COSTS!



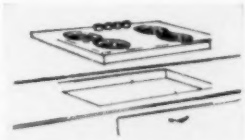
Hinge plate attaches easily to cabinet opening.



Oven hinge rod on lower oven front fits plate.

Oven tilts into place— no shims or blocks needed!

Snap-on frame always fits snugly to cabinet surface!



Drop-in cook-top fits simple, square-corner opening!

MAGNIFICENCE IN EVERY INCH... GAS OR ELECTRIC!

- GIANT 24" OR STANDARD 16" DOUBLE OVEN
- FULL YEAR FACTORY WARRANTY
- STAINLESS STEEL OR FOUR PORCELAIN ENAMEL COLORS
- NATIONALLY ADVERTISED

VESTA® *the luxury touch*

ALSO BUILDERS OF FAMOUS VESTA RANGES

I'm a ☐ builder ☐ dealer. Please rush me full details on the new Vesta Built-ins!

Name _____

Address _____

City & State _____

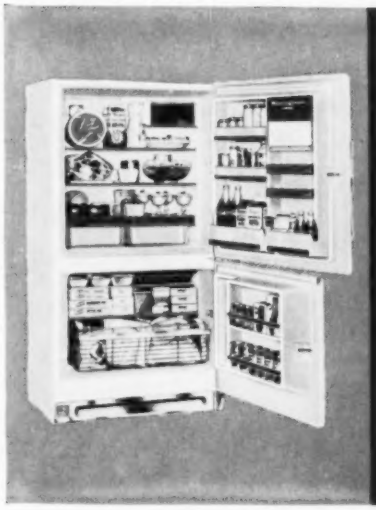
ATHENS STOVE WORKS, INC. DEPT. 7 ATHENS, TENNESSEE

Now, from Westinghouse, comes this exciting new 14 cu. ft. refrigerator with revolutionary pull-out Center Drawer, so easy to use . . . see into . . . reach into. Use it as a powerful demonstration in your model homes. Special compartments in the exclusive new Center Drawer keep meats and vegetables fresh for days . . . even hamburger stays fresh a full week without freezing. Moreover, this new Cold Injector Westinghouse is Frost-Free throughout. There's no defrosting in the refrigerator . . . the freezer . . . or the Center Drawer. Doors open 90 deg. within cabinet width, and there are no coils on the back. In addition to 5 Cabinet colors* and 8 Choose-N-Change Door Panels—40 combinations in all—there are doors in Coppertex and Brushed Chrome, enabling you to carry out any kitchen color scheme.

*Mint Aqua (shown opposite with Westinghouse Heirloom Maple Wood Cabinets), Frosting Pink, Lemon Yellow, Sugar White, Coppertan.

Newest Advance in Home Appliances

CENTER DRAWER REFRIGERATOR FROM WESTINGHOUSE



Westinghouse Refrigerators come in all sizes from 9 to 16 cu. ft., and may be installed free-standing, or built-in. Accessory Trim Kits are available for all except the 9 cu. ft. models, for which trim may be made locally. All units have doors that open 90 deg. within cabinet width.

(Left)
14 cu. ft. capacity, including 161 lb. bottom-mounted home freezer • Cold Injector System • Meat Storage Pan • Twin Porcelain Crispers. Dimensions: 33" w x 65⅝" h.

(Right)
12.6 cu. ft. capacity, including 101 lb. top-mounted home freezer • No coils on back • Cold Injector System • 5 Colors, plus 8 Choose-N-Change Door Panels. Dimensions: 30" w x 64¼" h.

WATCH "WESTINGHOUSE LUCILLE BALL-DESI ARNAZ SHOWS" CBS-TV ALTERNATE FRIDAYS

Westinghouse
TOTAL ELECTRIC
gold medallion home

where everything is done electrically
. . . even the heating

YOU CAN BE SURE...IF IT'S Westinghouse

Send coupon for complete information on Westinghouse Appliances and Cabinets.

Westinghouse Electric Corp., Contract Sales Dept. AB-4
246 East Fourth Street, Mansfield, Ohio.

☐ Please send descriptive catalog on Westinghouse Refrigerators, plus the complete line of other Westinghouse Appliances.

☐ Please have a representative call.

NAME _____

TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ ZONE _____

STATE _____

New space-saver kitchen for $10,000 homes

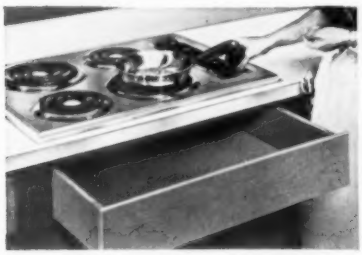
The luxury of a Suburban built-in range plus unique stow-a-wall cabinets— both practical and profitable

Designed by Bruce McCarty, A.I.A.
PAINTER, WEEKS, McCARTY-ARCHITECTS

1st in a series of best-seller kitchens—all blueprinted and ready to use—each designed to give you the most value, the most *sales-talk* for a home in a specific price range. Suburban's Idea Kitchen shown here is for homes in the $10,000 price range—a kitchen pre-engineered especially for a home of that price, a kitchen you can easily recreate in the home you build. The plans—complete with specifications, product lists and all the know-how—are yours free for the asking. Just mail the coupon at the bottom of this page.

These cabinets built on the job, save space, cost; add storage

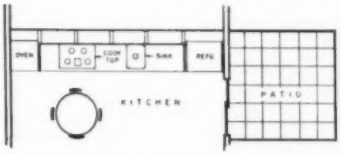
Now you can use the kitchen wall, ceiling *and* studs as part of your cabinets. This unique stow-a-wall design not only saves space and materials but adds *extra* storage that home buyers love. The combination of stow-a-wall cabinets and a Suburban built-in range adds glamour that is otherwise difficult to achieve in a $10,000 home.



New cook-tops—a blessing to home buyer and builder

These beautiful, new Suburban thin-line units with recessed controls on top allow full, useable drawer space underneath—and pots and pans can't be knocked over by accidentally brushing against knobs.

Gas or electric, Suburban cook-tops are quickly installed (only one cut-out necessary) and easily removed or interchanged. All mounting screws are accessible from the top—no concealed mounting lugs, no special lugs needed for extra-thick counter tops.



Free plans; free "Ideas File"

The sketch above shows how easily the Idea Kitchen presented on these pages may be adapted for varying space requirements. The details on design, equipment, sizes, dimensions and approximate cost are yours for the asking.

A specially prepared expansion-file, "New Home Ideas Kit," is also available for you to collect other ideas, articles and product dope with separate indexed sections for every room in the house. Just say "send it!"

Samuel Stamping & Enameling Co.,
Department **AB**, Chattanooga 1, Tenn.
I want more information on Suburban:
Built-in Electric Ranges ☐
Built-in Gas Ranges ☐
I am an architect ☐ realtor ☐ kitchen remodeler ☐ builder (sales mgr.) ☐ builder (chg. of purchasing) ☐
Please send me free Kitchen Plan & Specs for $10,000 Home ☐
free New Home Ideas File Kit ☐

Name_____
Firm_____
Street_____
City_____ State_____

suburban®
Built-in Ranges

LOOK FOR SUBURBAN IN YELLOW PAGES

New General Electric built-ins—the ranges with all

New! Cooktop with Sensi-Temp automatic unit

This new built-in makes top-of-the-range cooking completely automatic. Temperature is simply dialed, and the automatic Sensi-Temp* Unit maintains the perfect cooking heat.

Pushbutton panel with dial for automatic unit and other cooktop controls can be placed in back or side wall. Roomy 21-inch Custom oven has automatic timer and minute timer, charcoal-type broiler, automatic rotisserie and meat thermometer, floodlight, two shelves and removable door.

General Electric Built-Ins offer so many other wanted features. There are single and double ovens, 2 and 4-unit cooktops, a wide range of Mix-or-Match colors and a choice of three types of pushbutton controls. Figure General Electric Built-In Ranges into *your* plans for 1960!

For specifications and installation information on all General Electric Built-In Ranges, contact your local distributor, or write Range Dept., General Electric Co., Appliance Park, Louisville 1, Ky.

*Trademark of General Electric Company.

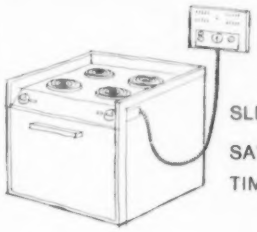
The Golden Value Line of the 60's

the most-wanted features!

Popular Mark 27 one piece built-in

Practical glamour . . . that's the Mark 27. Compact, smartly designed, this one-piece built-in is easy to install in so many settings.

Features? Big capacity oven, removable oven door, automatic oven timer, minute timer, high-speed units with pushbutton controls—easy to see why more than 1000 builders have installed Mark 27's in the first four months of production alone.



SLIDES INTO PLACE—
SAVES SPACE,
TIME AND LABOR

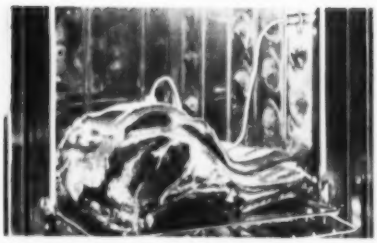
Only one unit to install, one control to connect . . . needs space only 27" wide x 24" deep. Smart between cabinets or in island or wall installations. Leaves room for extra appliance or cabinet. Control mounts wherever convenient.

Hefty savings, too with the Mark 27. It takes one connection, needs no oven cabinet nor cook-top base cabinet. And you save on costly counter-top covering.

GENERAL ELECTRIC

Show you know...

with a new **TAPPAN** Gas built-in that's won the Gold Star!

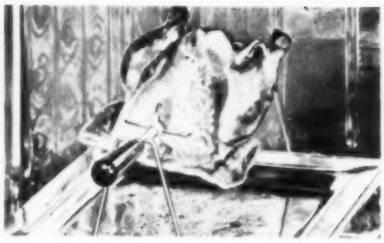


New features show you know quality!

This Tappan has the features women want—like automatic roast control, that turns Gas off when roast is perfectly done. Clock controls give perfect baking—and the famous Gas Burner-with-a-Brain* makes range-top cooking automatic, too!

Easy upkeep shows you know women's wants!

No messy boil-overs to clean up, when she cooks on the automatic Burner-with-a-Brain! This award-winning Tappan is easy-to-clean *all over*, too! Grates, racks, *even the oven bottom* lift out easily, wipe clean. Rustproof, stainproof surfaces resist dirt!



Good design shows you know kitchen planning!

This sparkling automatic rotisserie is sure to be the center of many a party meal. *Build it in* as a feature of your homes—at no extra construction cost—simply by choosing a modern, fully-automatic Gas range like this Tappan.

The Gold Star Award shows you know appliances!

This Gold Star is awarded by A.G.A. to the finest ranges of all. Each must be more automatic, more modern, better designed in every one of at least 28 specifications—to win a Gold Star. It means they cook faster, cooler, cleaner than ever—*automatically!*

The Gold Star sells for you, too! Most women judge your whole house by what they think of details like this—silly, perhaps, but true. When you build in a fabulous new Gas range, built to Gold Star standards they trust, *you build your reputation for quality!* The popularity of Gas helps sell your homes, too; remember, Gas is chosen to heat 8 out of 10 new homes! Call your local Gas company for help in planning better kitchens.

AMERICAN GAS ASSOCIATION

*A.G.A. Mark ©Am. Gas Assoc., Inc.

TAPPAN

No wonder...

today more people than ever are cooking with GAS!

Fabulous '400' shown here on a base cabinet—also hangs on wall. 40 inches wide, 25⅜" deep, adjusts to any height.

All cooking controls at eye-level.

Two ovens and broiler at reach-in height.

Surface units that let the cook see into pans.

Cutting board where it's handiest.

Self-vented, no fans or hood needed.

Tappan 'Fabulous 400'

Looks like a million
Saves you
$166
installation costs

Postage Will Be Paid by Addressee

BUSINESS REPLY MAIL
First Class Permit No. 3 (C.F.R. 34.9), Mansfield, Ohio

THE TAPPAN COMPANY
Dept. AB 4-0
Mansfield, Ohio

ATTENTION: MR. KEN BERKEY

No Postage Stamp Necessary If Mailed in the United States

Tappan

30-inch wide 'Debutante 400' installs for $166 less than regular built-ins

QUICKEST, EASIEST BUILT-IN INSTALLATION YOU'VE EVER SEEN!

11:00—wiring, vent roughed in

11:05—base cabinet in place

11:20—set and connect wires

11:30—soup's on!

MAIL THIS COUPON for specific local material, equipment and labor costs

Please supply me with complete specification, installation and model information on Tappan:

- ☐ 'Fabulous 400'
- ☐ 'Debutante 400'
- ☐ Electronic Range
- ☐ Built-In Gas Ranges
- ☐ Built-In Electric Ranges
- ☐ Built-In Refrigerators

NAME _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

PROOF: YOU SAVE $166 INSTALLING EITHER '400' RANGE

	Save*
Single conduit connection	$25.00
No separate vent or hood	$50.00
No countertop covering	$20.00
No oven cabinet needed	$45.00
Labor saving	$26.00
	$166.00

*Savings approximate

Gas, electric or electronic, nothing cooks or looks like a

TAPPAN

Mansfield, Ohio; Montreal, Quebec

BUILT-IN COOKING CENTERS

Removable oven door
Eliminates tiresome stretching when cleaning oven interior. Lifts on and off easily.

New Thintop* design
Enables storage drawers to be placed directly under electric range top. No waste space.

add a roomful of buying reasons to your homes!

Look at all these cooking extras. Balanced-Heat ovens that baste meats, make shish-kabobs, barbecue, bake, start and stop cooking, and signal when done . . . all automatically. Range tops feature automatic surface units that maintain constant heats, built-in griddle, infinite heat controls and exclusive Dispos-A-Bowls* for quicker cleaning. Gas or electric models in choice of colors.

*Tmk.

Your family will love our family of home appliances

RCA Whirlpool

Products of WHIRLPOOL CORPORATION St. Joseph, Michigan

It's easier to sell RCA WHIRLPOOL equipped homes!

Use of trademarks RCA and RCA authorized by trademark owner Radio Corporation of America

Contract Sales Division **AB-1-0**
Whirlpool Corporation, St. Joseph, Michigan

Please send me complete information on the new RCA WHIRLPOOL built-in ranges.

Name_____ Title_____

Firm Name_____

Firm Address_____

City_____ Zone_____

County_____ State_____

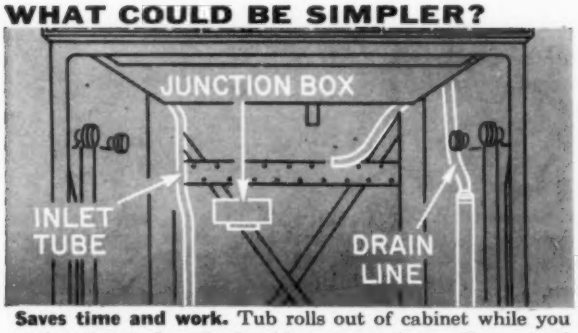
It goes in fast

Builders say the new General Electric Dishwasher is the easiest, quickest dishwasher to put in its place. ¶ And it just happens to wash dishes better than any other dishwasher. So why break your back and waste valuable time with lesser machines? ¶ And why mess with dishwashers that lack the very essence of dependability and customer confidence embodied in the "General Electric" name. Why?

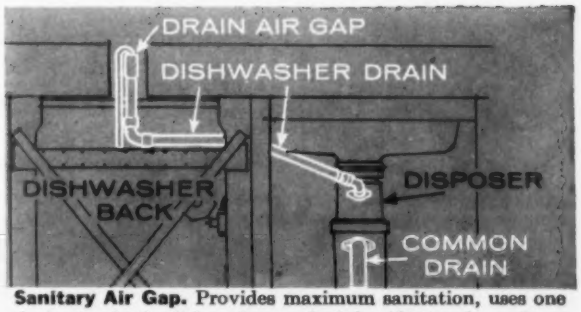
THE GOLDEN VALUE LINE OF THE 60's

...you get out fast

WHAT COULD BE SIMPLER?



Saves time and work. Tub rolls out of cabinet while you make electrical and plumbing connections. (Four wood wedges let you shim and level cabinet while in place.)



Sanitary Air Gap. Provides maximum sanitation, uses one drain for both dishwasher and sink. (Optional: sanitary drain which utilizes existing sink.)

Available in five colors, five woods and three new fashion finishes. It's the only dishwasher with Power Shower, top and bottom washing action and four cycles. Who knows, it might just help you sell your homes faster! General Electric Company, Louisville 1, Kentucky.

Progress Is Our Most Important Product

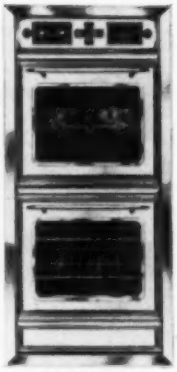
GENERAL ELECTRIC

Modern Maid

THE ONLY LINE OF BUILT-INS WITH INTERCHANGEABLE GAS AND ELECTRIC **DOUBLE OVENS** AND "SUPER THIN" TOPS

MODERN MAID

SCORES AGAIN WITH THE INTRODUCTION OF THE DOUBLE OVEN GAS BUILT-IN AND THE AMAZING NEW "INFRA-RAY" CERAMIC BURNER



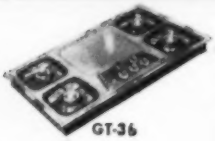
GO-103PAR

EACH MODEL HAS 2 FULL-SIZE 18 INCH WIDE OVENS.

INTERCHANGEABLE

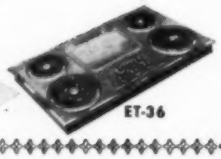
EO-103PR

"SUPER THIN" RANGE TOPS ONLY 3" DEEP . . . DROP IN ABOVE DRAWER SPACE



GT-36

36-INCH "SUPER THIN" BUILT-IN RANGE TOP WITH 4 SURFACE UNITS AND GRIDDLE.



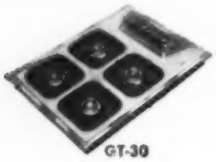
ET-36

GO-42PAR

CONVENTIONAL SINGLE OVEN MODELS ALSO INTERCHANGEABLE

INTERCHANGEABLE

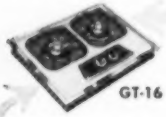
EO-82PR



GT-30

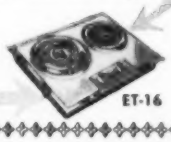
30-INCH "SUPER THIN" RANGE TOP ALSO DROPS IN ABOVE DRAWER SPACE.

ET-30



GT-16

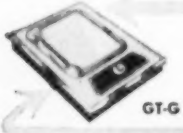
TWO BURNER "SUPER THIN" DROP-IN TOPS — COMPLETELY INTERCHANGEABLE



ET-16

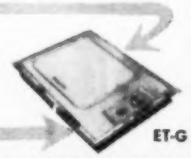
GT-21

4-UNIT COOKING TOPS WITH FRONT CONTROLS. NO EXPOSED BOLTS ON TOP. INTERCHANGEABLE



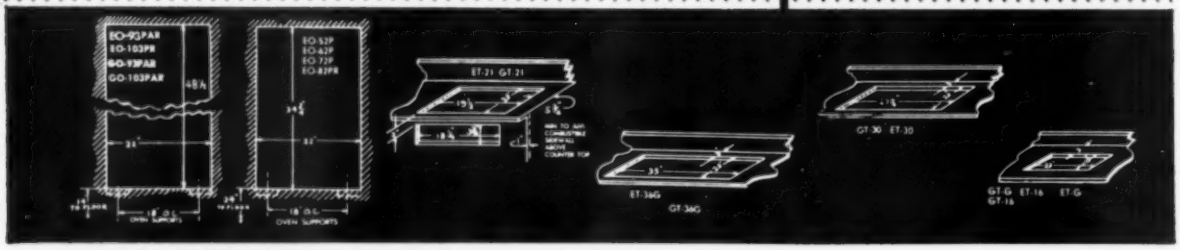
GT-G

GRIDDLE UNITS WITH COVERS ALSO INTERCHANGEABLE



ET-G

ET-21

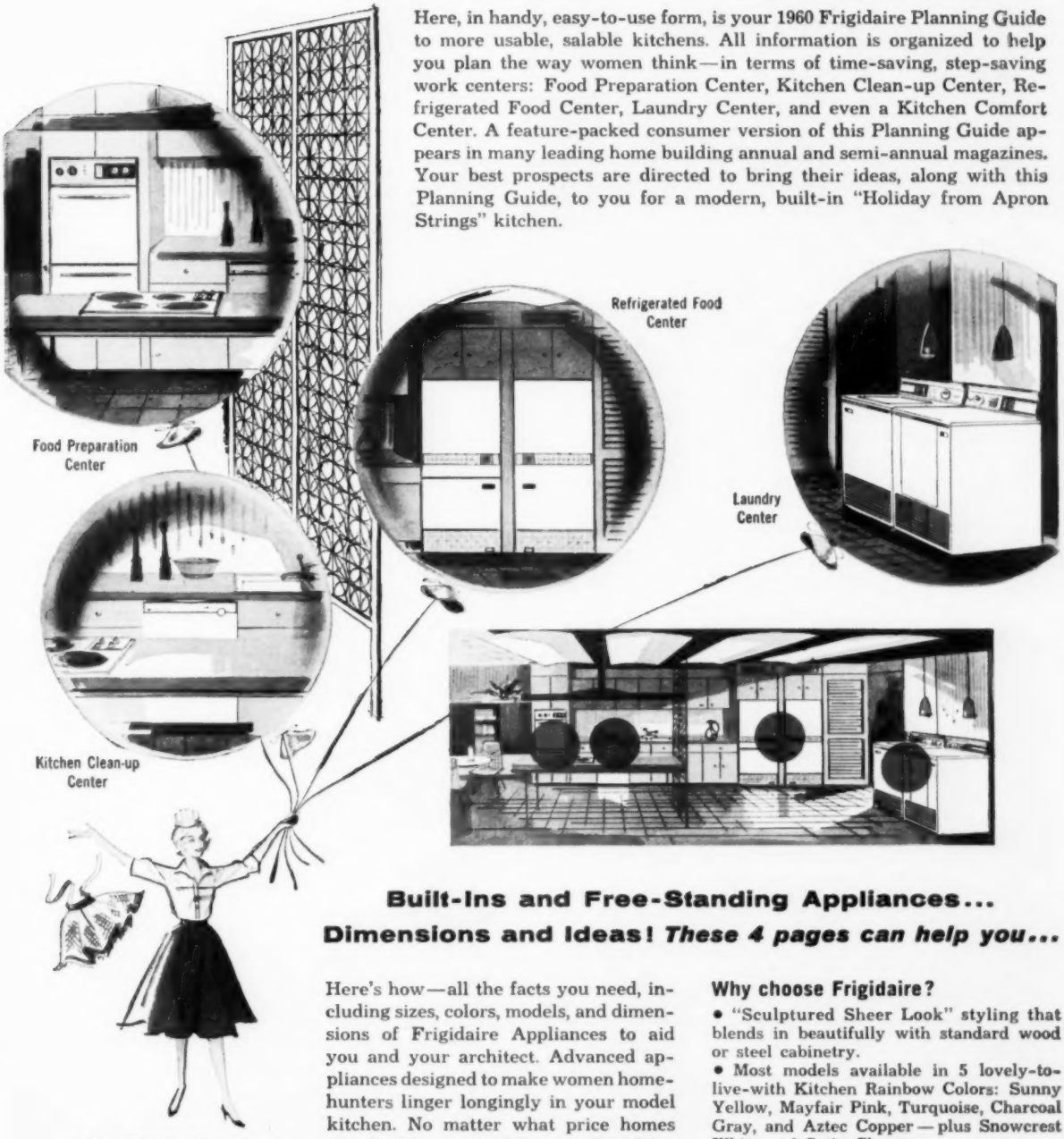


TENNESSEE STOVE WORKS CHATTANOOGA 1, TENNESSEE

How to plan a "Holiday from Apron Strings" Kitchen

one light-hearted center at a time

Here, in handy, easy-to-use form, is your 1960 Frigidaire Planning Guide to more usable, salable kitchens. All information is organized to help you plan the way women think—in terms of time-saving, step-saving work centers: Food Preparation Center, Kitchen Clean-up Center, Refrigerated Food Center, Laundry Center, and even a Kitchen Comfort Center. A feature-packed consumer version of this Planning Guide appears in many leading home building annual and semi-annual magazines. Your best prospects are directed to bring their ideas, along with this Planning Guide, to you for a modern, built-in "Holiday from Apron Strings" kitchen.



She'll feel like a queen in your new home or remodeled kitchen!

Built-Ins and Free-Standing Appliances... Dimensions and Ideas! *These 4 pages can help you...*

Here's how—all the facts you need, including sizes, colors, models, and dimensions of Frigidaire Appliances to aid you and your architect. Advanced appliances designed to make women home-hunters linger longingly in your model kitchen. No matter what price homes you build or remodel, new Frigidaire completeness of line gives you more flexibility, makes it possible for more families to enjoy modern living—Frigidaire-style!

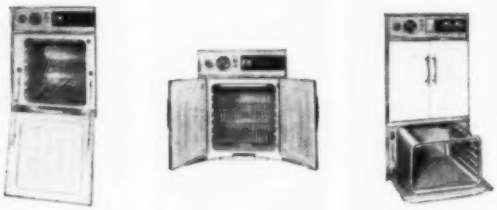
Why choose Frigidaire?

- "Sculptured Sheer Look" styling that blends in beautifully with standard wood or steel cabinetry.
- Most models available in 5 lovely-to-live-with Kitchen Rainbow Colors: Sunny Yellow, Mayfair Pink, Turquoise, Charcoal Gray, and Aztec Copper—plus Snowcrest White and Satin Chrome.
- Products of General Motors, engineered and built to be a lasting improvement to your home.
- Factory-trained Service through Frigidaire dealers everywhere.

1960 FRIGIDAIRE Planning Guide

Good lookin', good cookin' and

Eight new wall ovens to fit any home, any budget!



Frigidaire Wall Ovens are designed to end cleaning drudgery *forever! Left*—Imperial RBGB-99, (shown with Imperial Cooking Top RBB-101) and Custom DeLuxe RBB-98 Double Ovens offer two Drop-Leaf Doors that lower all the way down for easiest cleaning. *Above left*—DeLuxe RBB-94 (illustrated) and Super RBB-93 feature single Drop-Leaf Doors. *Above center*—Imperial RBB-90 has space-saving French Doors that take up to 10" less opening space. *Above right*—New Custom Imperial RBB-92 has French Doors on top oven, Drop-Leaf Door on the lower oven. RBB-92, RBGB-99 and RBB-99 models offer exclusive easier to clean Pull 'N Clean lower oven.

Now easiest-ever oven cooking! Three beautiful new double-oven models! Controls are easy to read and reach. Automatic Cook-Master Control, simplest-to-set ever, turns oven on, cooks dinner, turns off when foods are done. Famous Frigidaire Spatter-Free Broiler Grill (standard on RBGB-99, RBB-99 and RBB-92, optional all others) for broiling time and again without cleaning the oven.

Frigidaire Features for gracious living. Eight double and single oven models only 23¼" wide. Optional Automatic Rotisserie for all models except Super RBB-93. Meat Tender Roast Control and Broiler Grill Control included on Imperial RBGB-99 and RBB-99 and Custom Imperial RBB-92. Time Signals and Automatic Signal Lights on most models. Models RBGB-99 and RBGB-94 also have glass window doors. Simplified installation—RBB-90 and RBB-92 are mounted in minutes with new lever-action clamps, all others install in a jiffy with concealed screws. All models available in 5 Frigidaire Kitchen Rainbow Colors or Satin Chrome finish.

A

B

Model	Exterior Dimensions — Inches		
	Height	Width	Depth
A. Super RBB-93	29⅝	23¼	23¾
A. DeLuxe RBB-94*	29⅝	23¼	23¾
B. Custom DeLuxe RBB-98	44⅞	23¼	23¾
A. Imperial RBB-90	29⅝	23¼	23¾
B. Imperial RBB-99*	44⅞	23¼	23¾
B. Custom Imperial RBB-92	44⅞	23¼	23¾

*Specifications also apply to glass window door models RBGB-94 and RBGB-99

C

D

Model	Wall Opening Dimensions — Inches		
	Height	Width	Depth
C. Super RBB-93	28½	21¼	23¾
C. DeLuxe RBB-94*	28½	21¼	23¾†
D. Custom DeLuxe RBB-98	44	21½	23¾†
C. Imperial RBB-90	28½	21¼	23¾†
D. Imperial RBB-99*	44	21½	23¾†
D. Custom Imperial RBB-92	44	21½	23¾†

*Specifications also apply to glass window door models RBGB-94 and RBGB-99
†For optional Rotisserie, add ¼" to depth.

Cooking Top Convenience, Finger-tip Controls

Frigidaire Built-In Cooking Tops are available in 5 Kitchen Rainbow Colors or Satin Chrome. (Super RBB-102, Satin Chrome only.) Super model installs with spring-clips. All others mount with two clamps. Optional Hudee Ring, except RBB-102.

Super RBB-102: 3 Standard 6" Units and 1 Standard 8" Unit. Aluminum Drip Bowls. *DeLuxe RBB-100:* 2 Standard 6" Units and 2 Standard 8" Units. Porcelain Enamel Drip Bowls. *Imperial RBB-101:* 1 Speed Heat Unit, 6". 1 Heat-Minder Unit, 8". 1 Standard 6" and 1 Standard 8" Unit. Porcelain Enamel Drip Bowls. *Custom Imperial RBB-201:* Same Units as RBB-101. Remote Controls. Time Signal. Porcelain Enamel Drip Bowls.

Cooking Top Dimensions — inches

Model	Width	Depth	Depth Below Top of Counter	Counter Top Opening	
				Width	Depth
Super RBB-102	23	21	3⅝	22⅛	20
DeLuxe RBB-100	32¼	20¼	3¼	31	19
Imperial RBB-101	32¼	20¼	3¼	31	19
Custom Imperial RBB-201	32¼	20¼	3¼	31	19

Fold-Back Surface Units for Extra Space

Frigidaire Fold-Back Surface Units install on the counter-top, fold back out of the way (even while hot). Smart Satin Chrome. Single 2-Unit (24"), or 4-Unit (48") Double Assemblies. 8" Heat-Minder and 6" Speed-Heat Units on RBB-82 and RBB-84.

DeLuxe RBB-81: 1 Standard 6" Unit. 1 Standard 8" Unit. Porcelain Enamel Drip Bowls. Left-Hand Control Panel. *Imperial RBB-82:* 1 Speed-Heat Unit, 6". 1 Heat-Minder Unit, 8". Porcelain Enamel Drip Bowls. Right-Hand Control Panel. *Custom Imperial RBB-84:* 1 Speed-Heat Unit, 6". 1 Heat-Minder Unit, 8". 1 Standard 6" Unit. 1 Standard 8" Unit. Porcelain Enamel Drip Bowls. Left and Right-Hand Control Panels.

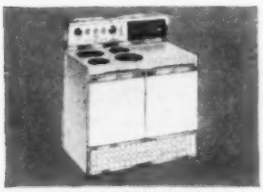
Fold-Back Surface Unit Dimensions — Inches

Model	Width			Height		Depth	
	Overall	Each Fold-Back Section	Control Panel	Overall	Units in Operating Position	Closed	Units in Operating Position
DeLuxe RBB-81	23 3/16	20⅛	3½	14⅞	4	5 1/16	17⅞
Imperial RBB-82	23 3/16	20⅛	3½	14⅞	4	5 1/16	17⅞
Custom Imperial RBB-84	47⅞	20⅛ (2)	3½ (2)	14⅞	4	5 1/16	17⅞

1960 FRIGIDAIRE Planning Guide

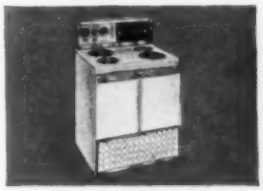
such a joy to use and clean!

Eleven brand new Ranges... eight with Pull 'N Clean Ovens!



40" Model RCI-75-60 with Double Pull 'N Clean Ovens!

40" Model RD-20-60, the most range for the money!



30" Model RCI-39-60 with a Frigidaire only—French Doors!

30" Model RD-38-60, many top-line features for a budget kitchen!

If she prefers a free-standing range for her new or remodeled kitchen, 1960 Frigidaire Automatic Electric Ranges offer cooking with confidence and cleaning without slaving! All 30" and 40" models feature the new "Sculptured Sheer Look" to make them the most feminine ranges ever. Clean, simple design eliminates dirt-catching cracks and crevices, gives that built-in look without extra construction expense. All are available in gleaming Snowcrest White, and many in choice of five Kitchen Rainbow Colors.

Features to make any woman feel like a Queen!

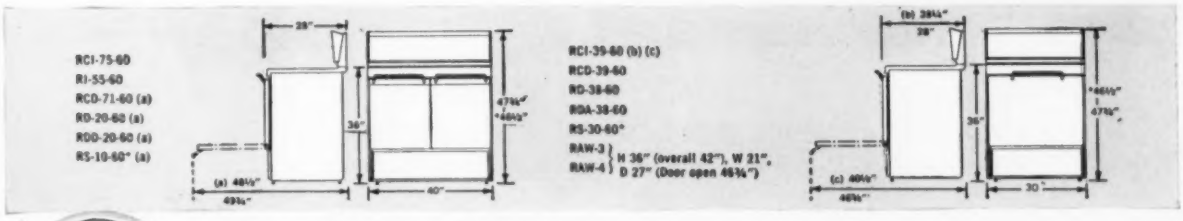
Pull 'N Clean Ovens slide out like a drawer for easiest cleaning. On all Custom Imperial (both ovens on RCI-75-60), Imperial, Custom DeLuxe (both ovens on RCD-71-60), and DeLuxe except RDA-38-60.

Cook-Master Automatic Oven Controls on most models.

Automatic Heat-Minder Units and extra-fast Speed-Heat Unit on RCI-75-60, RCI-39-60, RI-55-60 and RCD-39-60.

Infinite Heat Surface Unit Controls (except RAW-3, RAW-4). Lift-up, Stay-up Hinged Units and Removable Porcelain Enamel Drip Bowls on all models.

Built-In Electric Clock and Separate Electric Time Signal on all models except RS-10-60, RS-30-60, RAW-3, RAW-4. All Frigidaire Ranges are wired for 115/230—120/240 volt, 3-wire service. 120/208 volt models are available on special order. Models operating on other electrical frequencies are available for export.



Kitchen Clean-up Center

Frigidaire Dishwashers

Swirling Water Action scrubs and sanitizes every dish!

Here's real kitchen convenience! Front-loading Roll-to-You Racks glide out smoothly, load easily, hold a full day's dishes, pans and silver for average family of four. Swirling Water Action scrubs, rinses and sanitizes every dish from *between* the racks. No dish can hide!

Frigidaire Features for a "Holiday from Apron Strings"

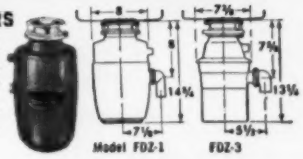
Custom Imperial Models feature two fresh detergent washes, and three rinses (including final "Spots-Away" rinse) plus heated-air drying. DeLuxe Model has one wash. "Snap-on" lower panel speeds installation and service. New 1000-watt Radiantube Heating Unit for better washing and drying. New Drain-Guard *and* Strainer keeps food particles from being re-deposited on dishes. Under-counter models available in 5 Kitchen Rainbow Colors plus Snowcrest White and Satin Chrome. Free-standing in Snowcrest White only (colors optional). Custom Imperial Dishwasher-Sink Combination in Mayfair Pink, Turquoise, Sunny Yellow and Snowcrest White.

Dishwasher Dimensions — Inches

Model	Height: Overall	Height: Work Surface	Width	Depth: Counter-Top	Depth: Over Hardware	Depth: Door Open
DeLuxe Under-counter DW-DUB	34¼	—	23 19/32	—	25 5/32	44½
Custom Imperial Under-counter DW-IUB	34¼	—	23 19/32	—	25 5/32	44½
Custom Imperial Free-standing DW-IFB	40	36	24	25¼	26 5/32	46
Custom Imperial Dishwasher-Sink DW-ISB	40	36	48	25	25 17/32	45¼

FRIGIDAIRE DISPOSERS

30% to 35% faster! Quiet—insulated jacket (FDZ-1) and rubber cushioned connections. Fits most 3½" drain-opening sinks.



1960 FRIGIDAIRE Planning Guide

Frost-Proof Refrigerators and Freezers

for the handiest, finest foodkeeping possible!

Refrigerated Food Center

Guaranteed* Foodkeeping without Frost! "Sculptured Sheer Look" styling! Frost is stopped before it starts! No frost to defrost! So practical for recessed "built-in" installations. Many models in 5 colors or Snowcrest White.

FRIGIDAIRE REFRIGERATORS

FPI-15B-60

Frost-Proof Freezer Section (FPI-15B-60, FPI-13B-60, FPI-13T-60, FPD-13T-60)

Flowing-Cold Refrigerator Section (FPI-15-B-60, FPI-13B-60, FPI-13T-60, FPD-13T-60, FI-13T-60, FD-13T-60, FD-13-60)

Cycla-matic Defrosting in refrigerator section**

Completely separate Zero Zone Food Freezer**

Flowing-Cold Meat Tender (FPI-15B-60, FPI-13B-60, FPI-13T-60, FI-13T-60)

Flip-Quick Ice Ejector (FPI-15B-60, FPI-13B-60, FPI-13T-60—optional in all other models)

Removable Full-Width Metal Shelves all models.

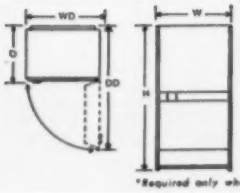
**FPI-15B-60, FPI-13B-60, FPI-13T-60, FPD-13T-60, FI-13T-60, FD-13T-60, FD-13-60, FD-11-60.

FRIGIDAIRE UPRIGHT FOOD FREEZERS

UFPI-16-60

4 Full-Width, Full-Depth Shelves. "See-Thru" Removable Grille Fronts tilt down to become loading shelves (UFPI-16-60 and UFI-15-60). Glide-out Basket Drawer(s) (except UFD-10-60 and UFD-12-60). 5 Full-Width Removable Door Shelves (4 in UFD-12-60). Adjustable Cold-Control.

***Frigidaire Frost-Proof Guarantee**—Without any cost to owner or user, at any time within one year from date of delivery, Frigidaire will make all necessary adjustments to the Frost-Proof Refrigerator-Freezer or Food Freezer to prevent accumulation of frost!



Refrigerators	H	W	WD*	D	DD*
Super SA-9-60	57½	24	26¾	28 11/16	47¾
SS-9-60	57½	24	26¾	28 11/16	47¾
S-9-60	57½	24	26¾	28 11/16	47¾
DeLuxe					
DA-11-60	64	28	31⅛	28⅝	52½
D-11-60	64	28	31⅛	28 11/16	52½
D-13-60	64	32	35¼	28 11/16	56½
FD-11-60	64	28	31⅛	28 11/16	52½
FD-13-60	64	32	35¼	28 11/16	56½
FD-13T-60	64	32	34⅞	29⅝	56½

*Required only when cabinet is against wall on hinge side of door.

Refrigerators	H	W	WD*	D	DD*
Imperial					
FI-13T-60 ††	64	32	35¼	28 11/16	56½
Deluxe Frost-Proof					
FPD-13T-60	64	32	34⅞	28 11/16	56½
Imperial Frost-Proof					
FPI-13T-60 ††	64	32	35¼	28 11/16	56½
FPI-13B-60 ††	64	32	35¼	29½	57
FPI-15B-60 ††	69¾	32	35¼	29½	57

††Also available in white porcelain enamel.

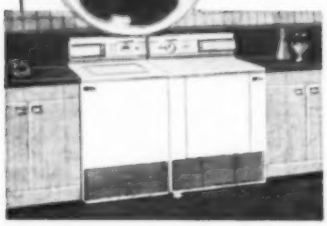
Upright Food Freezers	H	W†	WD*	D	DD*
DeLuxe					
UFD-10-60	64	28	29⅝	29⅛	53
UFD-12-60	64	32	33⅜	29⅛	57
UFD-15-60	69¾	32	33⅜	30⅛	58½
UFD-21-60	70	36	43⅞	32⅛	65⅛
DeLuxe Frost-Proof					
UFPD-16-60	69¾	32	33⅜	30⅝	58½
Imperial					
UFI-15-60	69¾	32	35¼	30⅝	58½
Imperial Frost-Proof					
UFPI-16-60	69¾	32	35¼	30⅝	58½

†Additional 2" required if lock on left flush with front

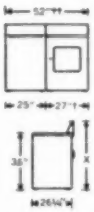
Frigidaire Automatic Washers and Dryers

No matter what she'll wash and wear... she'll feel like a Queen!

Laundry Center



Designed for satisfaction... a "Three-Ring Agitator" Washer that bathes deep dirt out without beating! And a perfectly matched "Wrinkles-Away" Dryer. Equip your homes with the washer that's rated No. 1 for All-Around Performance by the U.S. Testing Co., Inc.!* Many models available in choice of 5 colors or Snowcrest White.



Washer and Dryer Dimensions

x Overall Height varies as follows:

Custom Imperial Washer and Dryer 45"

Imperial Washer and Dryer 45"

Custom DeLuxe Washer and Dryer 43¾"

DeLuxe and Super Washers and Dryers 42"

* *The Frigidaire Washer proved best of 6 leading automatic washers in controlled laboratory tests. Report No. 63243, dated January 26, 1960.*

††55" (width—Custom Imperial pair)

†30" for Custom Imperial Dryer

Comfort Center, Too!

FRIGIDAIRE STEREO-COOLING

—a new dimension in room air conditioning that gently surrounds you with cool, dry, quiet comfort... now available in three smartly-styled Imperial models (AI-100, AI-100M and AIR-100). Attractive "thru-the-wall" application is easy with low-cost "pre-installation" kit.

13 High-Capacity Models—3 Cabinet Sizes				Cooling Capacities BTU/HR.*
Model	Width	Depth	Height	
Imperial AI-100, AIR-100*, AI-100M	26	18¼	16	8,000 to 10,000
Custom DeLuxe ACD-100L, ACD-100, ACDR-100*, ACD-120†	26	18¼	16	6,000 to 12,100
DeLuxe AD-100L, AD-100M, AD-100	25	15¾	20⅛	6,000 to 9,500
Super AS-100L	25	15¾	20⅛	6,000
Heavy Duty Imperial AI-150, AI-200	26	37⅛	16⅞	14,100 to 16,500

* "All-Seasons" models with cooling and heating.

† "Lone Star" model provides continuous cooling and dehumidification even when the weather is mild and humid.

* NEMA Standard CNI—1958

Frigidaire reserves the right to change specifications and prices, or to discontinue models, without notice.

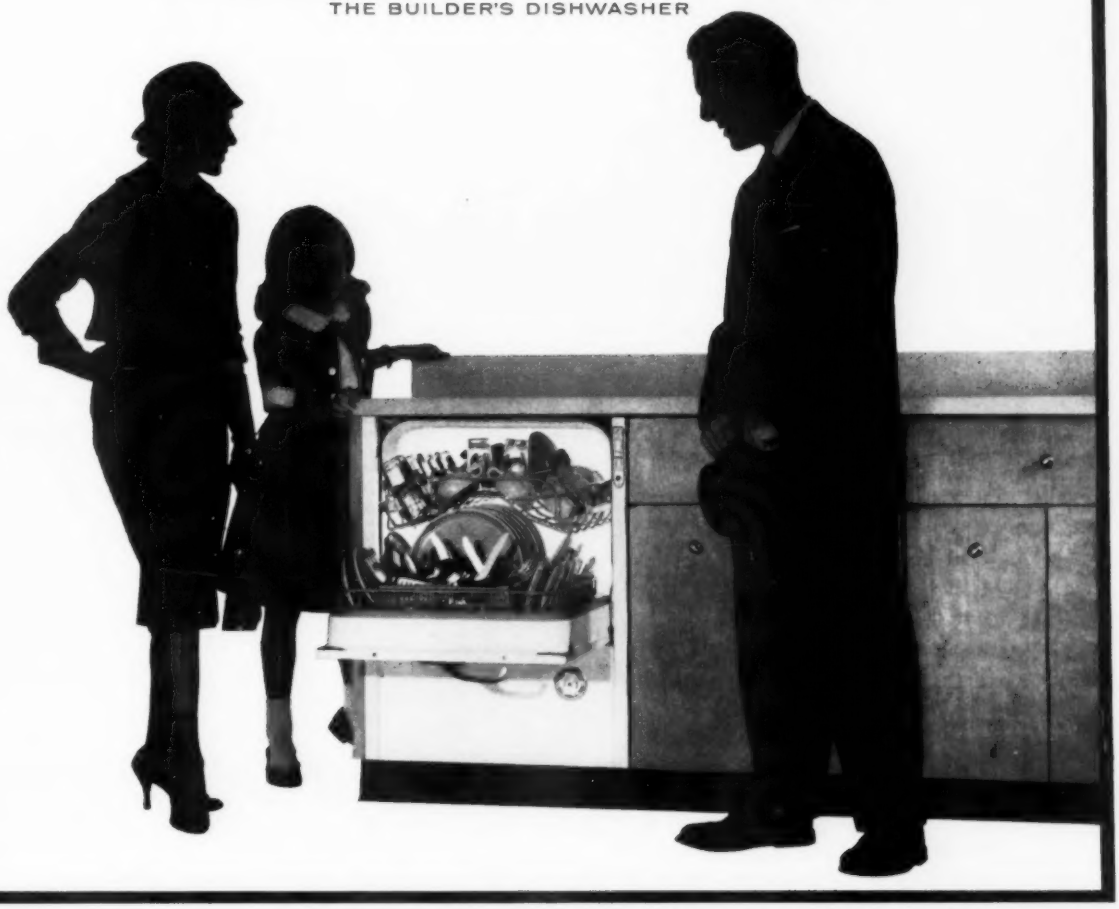
FRIGIDAIRE Product of General Motors *Advanced Appliances designed with you in mind*

For more information, and detailed individual specification sheets ask your Frigidaire Builder Representative, Dealer or write FRIGIDAIRE Division, Dayton 1, Ohio.

built-in evidence of quality construction

KitchenAid®

THE BUILDER'S DISHWASHER



KITCHENAID, the finest made...by Hobart, the World's Largest Manufacturer of Food, Kitchen and Dishwashing Machines.

Your built-in appliances go a long way in carrying the quality appeal of your homes to your prospects—especially a built-in KitchenAid dishwasher which says immediately and emphatically, "This is a quality house!" Home buyers want the convenience of automatic dishwashing and they know that KitchenAid represents the finest made.

KitchenAid's reputation for rarely needing service is a very important long-range sales advantage for the builder. The word-of-mouth advertising of a satisfied homeowner pays off again and again in more homes sold.

Millions of home-buying prospects know about the superior features of KitchenAid through continuous national advertising ...through other satisfied users. They know that no other dishwasher can match its washing and drying features. And they know that the builder who includes a KitchenAid dishwasher in his plans is a *quality builder*.

KitchenAid Home Dishwasher Division, Dept. KAB
The Hobart Manufacturing Co., Troy, Ohio

☐ Please send complete information and specifications on the complete line of KitchenAid dishwashers.

☐ Please send name of nearest distributor.

Name_____

Firm_____

Address_____

City_____ Zone____ State_____

Each time you specify KitchenAid...it starts to sell for you

The Golden Value Line of the 60's...

GENERAL ELECTRIC'S PPP PROFIT THROUGH PLANNING

"Profit" is PPP's middle name and the name belongs to General Electric

PLANNED PROFIT PACKAGE is the way General Electric Major Appliances (The Golden Value Line of the 60's) can help you net more dollar profit.

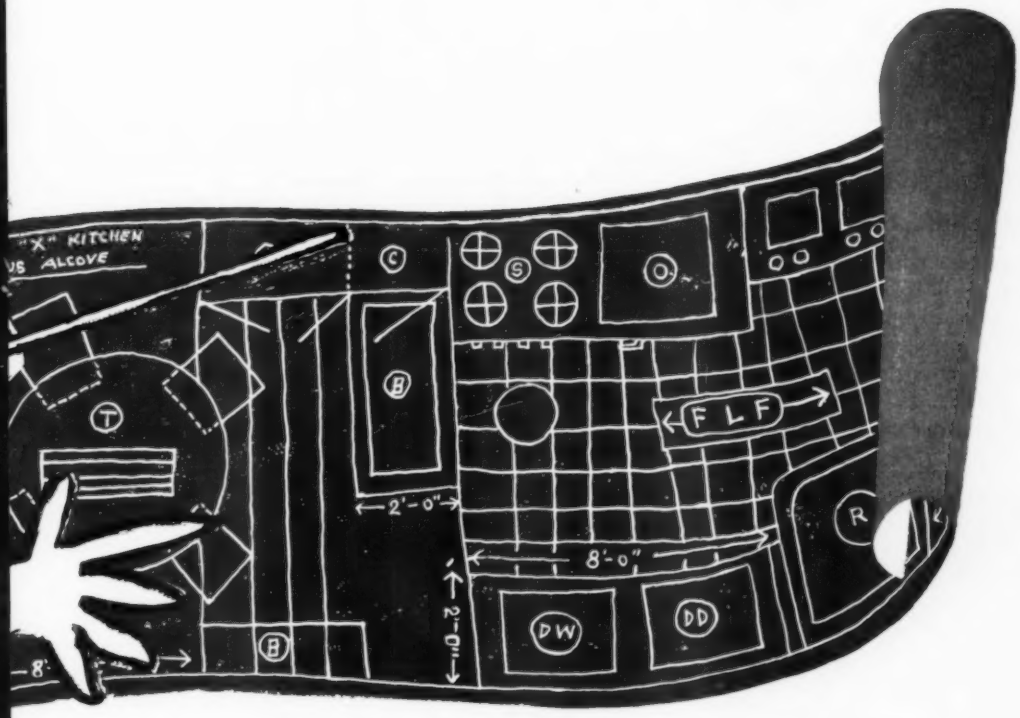
A big part of the plan is Planning and Styling Help, and here's what it includes:

- Custom Kitchen Design Service, available at no cost to you through your General Electric distributor or dealer.
- Help with layouts and color coordination.
- Assistance from General Electric builder sales specialist in planning your kitchen—positioning of appliances to conserve maximum space; ways to get more use of space for your money; other tips on saving costs.

It all adds up to *more* profit for you!

Would you like to know the other ways you can save money through General Electric? Then send for the "PLANNED PROFIT PACKAGE" kit with information about planning and styling help, product availability, complete merchandising program, product service and much more.

The Golden Value Line of the 60's



GIVES YOU MORE AND STYLING HELP

For information, mail coupon to:
General Electric Co., Home Bureau, Appliance Park, Louisville 1, Ky.

Have local General Electric builder sales representative contact me.

NAME _____

ADDRESS _____

_____

CITY _____

STATE _____

AB-4

MEDALLION HOME
LIVE BETTER ELECTRICALLY

As an authorized builder of "Live Better Electrically" MEDALLION HOMES, you get prestige and promotional advantages. Ask your local utility about this program.

Progress Is Our Most Important Product

GENERAL ELECTRIC

6-IN-ONE

"BIG SIX" NEWS FOR BUILDERS

GENERAL CHEF combines six kitchen-essentials in one compact, efficient unit:

REFRIGERATOR • OVEN • SINK

STOVE • FREEZER • STORAGE

Every model available in white or several wood-grain finishes. Entire base unit factory-assembled and shipped in one crate. Available on all units: garbage disposal; one-piece stainless steel tops. And don't forget: GENERAL CHEF is the only Complete Kitchen Unit with factory-owned, nation-wide sales and service.

For complete details write:
General Air Conditioning Corp.
Dept. J-14, 4542 E. Dunham St.
Los Angeles 23, California

GENERAL CHEF

World's largest-selling
COMPLETE KITCHEN UNIT

BRAND NAMES DIRECTORY

(Continued from page 298)

SPARTAN Mansfield Sanitary Inc
SPARTAN Parker S Hdwe Mfg Corp
SPARTAN (SPLITTER) Lithibar Co
SPECIAL 12 Johnsons Wax
SPECIAL 16 Johnsons Wax
SPECIALMESH Inland Steel Products Co
SPECIFICATION Allied Chemical Corp
SPECIFICATION GRADE DEVICES Leviton Manufacturing Co Inc
SPECTRIM Pittsburgh Plate Glass Co
SPECTRO-MATIC TINTING SYSTEM Rockcote Paint Company
SPECTRO-MATIC WOOD TONES Rockcote Paint Company
SPEE-DEE Dalton Mfg Co
SPEED Louisville Cement Co
SPEED Speedway Mfg Div Thor Power
SPEEDAIRE Dayton Electric Mfg Co
SPEED-BARROW American Conveyor Co
SPEEDCAT Mead Specialties Co
SPEED CLIPS Tinnerman Products Inc
SPEEDECK Mobile Paint Mfg Co
SPEE DEE PRINTER Copymation Inc
SPEED-GRITS Behr-Manning Co
SPEED LOADER Macklanburg-Duncan
SPEEDMASTER Copymation Inc
SPEED NUTS Tinnerman Products Inc
SPEED QUEEN Speed Queen Div
SPEED-RAIL Hollaender Mfg Co
SPEEDRIL Lockwood Hardware Mfg Co

(Continued on page 374)

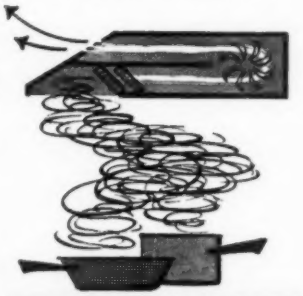
Now, every kitchen can have

PURIFIED AIR

. . . with NO outside ducts!

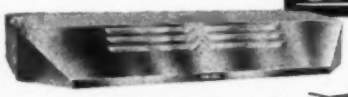
DUCTLESS HOOD banishes cooking odors . . . removes smoke, grease—even pollen—by a time-tested scientific miracle. This is the magic of Activated Charcoal—the substance that purifies the air men breathe in atomic submarines.

SIMPLE TO INSTALL . . . DUCTLESS HOOD uses no expensive outside vents or louvres. Instead, powerful motor-blowers recirculate kitchen air through filters to remove impurities.



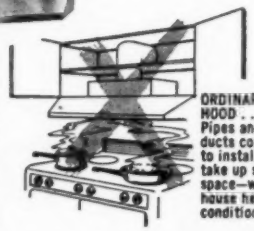
Ductless Hood

U. S. Patent No. 2886124



TOTAL FREEDOM IN KITCHEN DESIGN! DUCTLESS HOOD is self-contained, permitting kitchen units to be placed in any desired location. Sizes and colors for every decor.

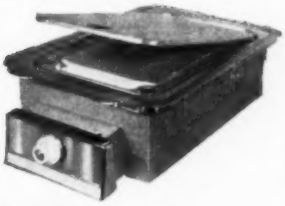
For other rooms—the built-in DUCTLESS AIR PURIFIER



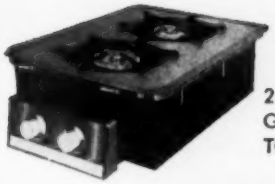
ORDINARY HOOD . . . Pipes and ducts costly to install — take up shelf space—waste of house heat and conditioned air.

Write for literature: **THE DUCTLESS HOOD CO., INC.**
Dept. 75, 601 Plandome Rd., Manhasset, N. Y.

GAS GRIDDLE
Available with or without Thermostatic Controls

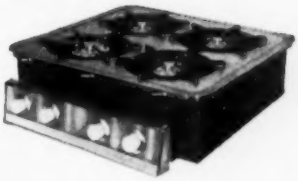


"SHADOW SLIM"
4-burner GAS DROP-IN UNIT.
Requires only single top cut-out.



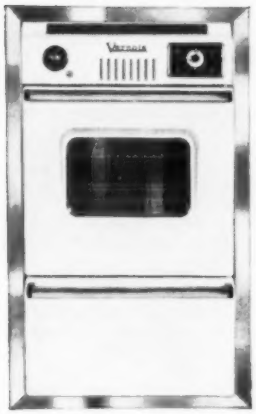
2-burner
GAS COUNTER-TOP UNIT

and now for '60 . . .
THE BIGGEST NEWS IN BUILT-INS!



4-burner
GAS COUNTER-TOP UNIT

Vernois



GAS OVEN
with low broiler

Vernois

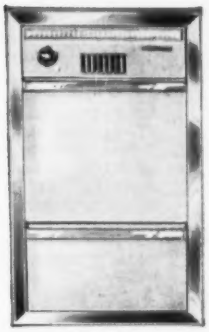
GIANT CAPACITY DOUBLE OVENS!

- Gas and electric models — fully automatic, with clock controls
- A wide, wide 18" — top oven 16" high, 19½" deep, lower unit 14" high
- The only gas oven on the market with flame-set controlled broiling
- Cast aluminum frame fits into 24" cabinet
- Also promotional models for builders
- Nationally advertised

LOOK FOR THE "BIG D" IN '60!

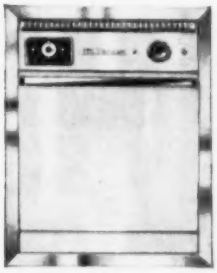
MT. VERNON FURNACE & MFG. CO.
Mt. Vernon, Illinois

Dealers and Distributors: Write Today for Literature and Prices.
Some Territories Still Open for Qualified Distributors.



MT. VERNON
"BUILDER'S SPECIAL"
Gas Oven with low broiler

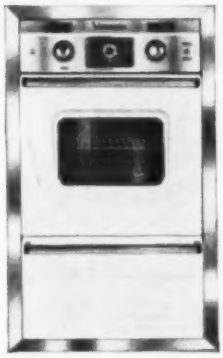
2-burner
ELECTRIC COUNTER-TOP UNIT



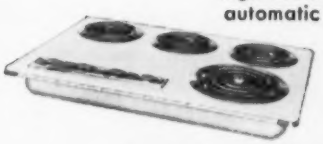
MT. VERNON
"BUILDER'S SPECIAL"
Electric Oven with high broiler and automatic clock

4-burner
ELECTRIC COUNTER-TOP UNIT

BROILMASTER ELECTRIC OVEN
with high broiler



BROILMASTER
ELECTRIC OVEN
with low broiler



"SHADOW-SLIM" 4-burner
ELECTRIC DROP-IN UNIT.
Requires only single top cut-out.

(Continued from page 372)

STANDARD DUOLOX Masonite Corp
STANDARD-FLUSH DOOR Hardwood Products Corporation
STANDARD I F B COMBUSTION CHAMBER Green A P Fire Brick Co.
STANDARD PRESDWOOD Masonite Corp
STANDARD-SPEED MASTER Handley-Brown Co
STANLEY-HANDYMAN Stanley Tools
STANLOCK Standard Register Co
STANSCREW Stanscrew Fasteners Div
STANTHONY Stanthony Corp
STAR Richbilt Manufacturing Co
STARALUM ALCLAD Hanover Wire
STAR BRAND Turner & Seymour Mfg Co
STARBRITE Hanover Wire Cloth Div
STAR DRYVIN HAMMERDRIVE Star Expansion Industries Corp
STAR GRIPZIN Star Expansion Indus
STAR HAMRFLUTE Star Expansion
STARLIFE Hanover Wire Cloth Div
STAR LIGHT Thomas Industries Inc
STARLINE O'Keefe & Merritt Co
STARLINER AURORA PUMP DIV New York Air Brake Co
STARLITE Elkay Mfg Co
STAR PINGRIP Star Expansion Indus
STARRETT Starrett L S Co
STAR SSS SELFDRIL SHIELDS Star Expansion Industries Corp
STAR STRIKR Star Expansion Indus Corp
STAR STUDS Star Expansion Indus Corp
STA-TITE Sta-Tite Inc
STAY BACK Henry W W Co
STAYBRITE Horn A C Companies Inc
STAY-RIB Inland Steel Products Co
STAY-STRATE United States Plywood
STAZON Plastic Products Co
STEAROLITH Master Builders Co
STEELBINDER Gerrad A J & Co
STEEL-FASHIONED Walters Mfg Co
STEELITE Clopay Corp
STEELMASTER Stanley Tools
STEEL-PAK Slant-Fin Radiator Corp
STEELTEX Pittsburgh Steel Products
STEEL-X Taber Bushnell Inc
STEEP-SLOPE Bennett-Ireland Inc
STEP SAVER Schenck William & Co
STERGLAZE Sterling Quality Prods Inc
STEREO-COM Music & Sound Inc
STERLING Waldorf Heater Co
STERLING (GRINDERS) McDonough Manufacturing Company
STEWART-AIRE Stewart Industries Inc
STILEMAKER Russell & Erwin Div
STILEMANOR Russell & Erwin Div
STILE MATE Grand Rapids Hardware Co
STILLE-YOUNG Chicago Bronze & Color
STIL-WITE Moore Benjamin & Co
STOKER-VEYOR American Conveyor Co
STONE-DRI Sapolin Paints Inc
STONEFIL Thomas Moulding Floor Co
STONESULITE Certain-Teed Sales Corp
STONEWALL BOARD Ruberoid Co
STOP GAP Sapolin Paints Inc
STOP IT Tamms Industries Co
STORAWAY ENCLOSURES Birdair Structures Inc
STOR-MASTER Textron Metals Co
STORMGUARD Maze W H Co
STORM KING Allied Chemical Corp
STORMTIGHT Sonneborn L Sons Inc
STOV-MASTER Textron Metals Co
STOWAWAY Lennox Industries Inc
STOW-IT Gordon Mfg Co
STRADDLE TRUCK Hyster Co
STRAN-MASTER Stran-Steel Corp Div
STRAPBINDER Gerrard A J & Co
STREAMLINE Mueller Brass Co
STREAMLINER Ferguson Harry J Co
STREAMLINER Auer Register Co
STREAMLINER (SANDER) Holt Mfg Co
STRETCH LATEX PAINT Tamms Indus
STRONG BOY Master Lock Co
STRONGBARN Granite City Steel Co
STRONGBORD Johns-Manville Corp
STRONGHOLD NAILS Independent Nail & Packing Corp
STRONG-WALL Celotex Corp
STRUCTOGLAS A Structoglas Inc
STRUCTOGLAS S E Structoglas Inc
STRUCTOLITE United States Gypsum Co
STRUTWALL Andersen Corp
STRY PANEL Cermak Tile Co Inc
SUPER KROME Sheffield Bronze Paint
SUPER-LOKS Globe Roofing Products
SUPERMARKETER Miller Co
SUPER MATIC Clipper Mfg Co
SUPER MEZURALL Lufkin Rule Co
SUPER POWER Coffing Hoist Div
SUPER SANITAS Standard Coated Prods
SUPER SATIN SURFACE General Plywood Corporation
SUPER SAW R C S Tool Corp
SUPERSEAL Globe Roofing Prods Co Inc
SUPERSHEATH General Cable Corp
SUPER 16 Johnsons Wax
SUPER-SOLID Morgan Company
SUPER SPEED American Floor Machine
SUPERSPEED Ruud Mfg Co
SUPER STRIP Savogran Co
SUPER-TITE United States Gypsum Co
SUPER-TURBINE Decatur Pump Co
SUPERWALL Superior Window Co
SUPERWOOD Parkwood Laminates Inc
SUPERWOOD Superwood Corp
SUPRADUR Supradur Corp of N Y
SUPRATEST American-Saint Gobain
SUPREME General Water Heater Corp
SUPREME (Tile) Goodyear Tire & Rub
SUPREMO Zurn Industries Inc
SUPREX KOROSEAL Goodrich B F Co
SURAMIC Supradur Corp of N Y
SUREBOND American Asbestos Prod Co
SURE-FLOC Pennsalt Chemicals Corp
SURE GRIP Samson Cordage Works
SUREGRIP Bridgeport Hardware Mfg
SUREKRETE American Asbestos Prod Co
SUREMASTIC Camp Co Inc
SURE PRIME Jaeger Machine Co
SURE-X Schalk Chemical Co
SURFACEDUCT National Electric Div
SURFCO ROCK Surface Protection Co
SURFCO SHIELD Surface Protection Co
SURFCO SILASEAL Surface Protection
SURFEX Pass & Seymour Inc
SURFOAM Stanley Tools
SURF-FOAM U S Plywood Corp
SURFTONE Celotex Corp
SURFWOOD United States Plywood Corp
SWAN Lehman Sprayshield Co
SWEEPOLENE Thomas Moulding Floor
SWING-O-MIR General Bathroom Prod
SWIRL-FLO Aeronca Mfg Co
SWIRL-TONE Chesler J & Sons Inc

(Continued on page 377)

For wooden shingles — shakes — siding and masonry surfaces

Cabot's

OLD VIRGINIA TINTS®

A uniform oil base finish

- One coat usually sufficient
- Easy to apply and maintain
- Waterproof and weather resistant
- Preserve and protect wood

18 MODERN COLORS, BLACK & OLD VIRGINIA WHITE

WRITE FOR COLOR CARD TODAY

SAMUEL CABOT INC.
424 South Terminal Trust Bldg.
Boston, Mass.

Please send color card on Old Virginia Tints

_____

_____

_____

Suggested Exterior Color Schemes

If the roof of the house is	GRAY							GREEN								RED					BROWN						BLUE			
You can paint the body	White	Gray	Cream-yellow	Pale green	Dark green	Putty	Dull red	White	Gray	Cream-yellow	Pale green	Dark green	Beige	Brown	Dull red	White	Light gray	Cream-yellow	Pale green	Dull red	White	Buff	Pink-beige	Cream-yellow	Pale green	Brown	White	Gray	Cream-yellow	Blue
. . . and the trim or shutters and doors: Pink	X	X			X		X	X				X		X																
Bright Red	X	X	X					X		X						X	X	X	X											
Red-orange	X	X				X		X	X		X	X									X					X	X	X	X	X
Tile red	X	X	X	X		X		X		X	X		X			X	X	X	X		X	X	X	X			X		X	
Cream	X				X		X	X	X			X		X	X					X						X		X		X
Bright yellow	X	X	X	X	X			X	X		X	X		X							X					X	X			X
Light green	X	X			X		X	X	X	X		X		X	X					X	X									
Dark green	X	X	X	X		X		X		X	X		X			X	X			.	X	X	X	X	X					
Grey-green	X	X	X	X		X		X		X			X		X					X	X	X	X	X	X					
Blue-green	X	X						X					X			X		X		X	X	X		X						
Light blue	X	X						X																			X	X		X
Dark blue	X	X				X		X					X					X			X						X	X	X	
Blue-gray	X	X				X	X	X					X			X		X			X								X	
Violet	X	X						X													X									
Brown						X		X		X											X	X	X	X	X					
White		X	X	X	X		X		X	X	X	X		X	X		X		X	X			X			X		X		X

What to use . . . and where

X. Black dot indicates that a primer or sealer may be necessary before the finishing coat (unless surface has been previously finished).

	House Paint	Transparent Sealer	Cement Base Paint	Rubber Base Paint	Exterior Clear Finish	Aluminum Paint	Wood Stain	Roof Coating	Roof Cement	Asphalt Emulsion	Metal Roof Paint	Trim-and-Trellis Paint	Awning Paint	Spar Varnish	Porch-and-Deck Paint	Metal Primer	Primer or Undercoater
Clapboard Siding	X.					X											X
Brick	X.	X	X	X		X											X
Cement & Cinder Block	X.	X	X	X		X											X
Asbestos Cement	X.			X													X
Stucco	X.	X	X	X		X											X
Natural Wood Siding & Trim					X		X							X			
Metal Siding	X.					X.						X.					X
Wood Frame Windows	X.					X						X.					X
Steel Windows	X.					X.						X.					X
Aluminum Windows	X.					X						X.					X
Shutters & Other Trim	X.											X.					X
Canvas Awnings													X				
Wood Shingle Roof							X										
Metal Roof											X.						X
Coal Tar Felt Roof								X	X	X							
Wood Porch Floor															X		
Cement Porch Floor				X											X		
Copper Surfaces														X			
Galvanized Surfaces	X.					X.						X.		X			X
Iron Surfaces	X.					X.						X.					X

Tips on Color

If you have:	And you want:	Do this:
Blue	Dark Blue	Add Black
Blue	Light Blue	Add White
Green	Deep Green	Add Blue or Black
Green	Light Green	Add Yellow or White
Green	Olive	Add Blue and Red
Orange	Brown	Add Blue
Red	Dark Red	Add Black
Red	Light Red (not Pink)	Add Orange
Red	Brown	Add Green

Primary and Secondary Mixtures

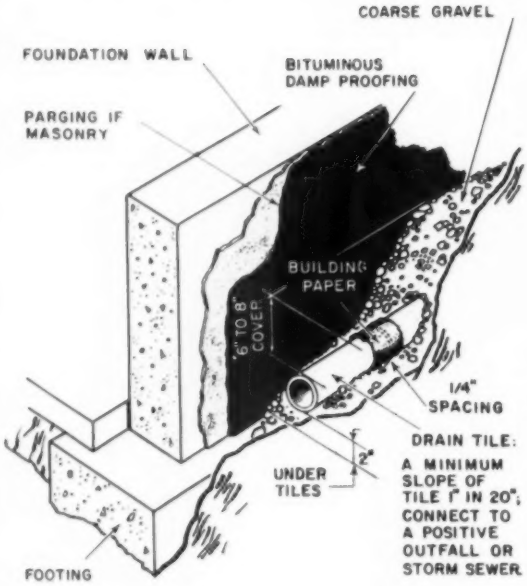
Red plus Yellow makes Orange
Yellow plus Blue makes Green
Blue plus Red makes Purple
Orange plus Green makes Citron
Green plus Purple makes Olive
Purple plus Orange makes Russet
(Try a small sample first for desired color)

Natural Finishes

The following are natural-finish systems for outdoor use on redwood. WATER REPELLENTS: Easy to apply. Easy and inexpensive to maintain. No special preparation required prior to refinishing. Field experience indicates that paintable water-repellent preservatives provide the most satisfactory natural treatment for exterior redwood. Products meeting requirements of Federal Specifications TT-W-572 should prove satisfactory. BLEACHES and FLAT-PIGMENTED STAINS: Easy to apply. Easy and inexpensive to maintain. No special preparation required prior to refinishing. While these finishes give good service when applied to dressed surfaces, they may be expected to last over twice as long when applied to sawn surfaces. GLOSSY STAIN-AND-CLEAR COMBINATIONS and GLOSSY CLEARS: These are film-forming finishes and must be applied carefully to a properly prepared surface in order to obtain satisfactory results. If these finishes are used in protected locations, they may be expected to give good service. They should be used on exposed areas only with the realization that they may be expected to require maintenance in less than two years and that, after one or two maintenance coats, special surface preparation, involving complete removal of the old finish, probably will be required. For complete information and recommended products, write to the California Redwood Assn., 576 Sacramento St., San Francisco 11, Calif.

For additional information on natural finishes, see FHA Minimum Property Standards, Section 910, Painting and Decorating, or write The National Paint, Varnish and Lacquer Assn., 1500 Rhode Island Ave., N. W., Washington 5, D. C.

Tables Courtesy National Paint, Varnish and Lacquer Assn.



Placement of the drain tile has FHA approval for minimum acceptable protection. For maximum protection, tile should be laid on the same plane as footing. Joint between foundation and footing should be flashed.

FHA REQUIREMENTS

Foundations or footing drains connected to a positive outfall shall be provided around foundations enclosing basements or habitable spaces below grade. Install at or below area to be protected.

Clay or concrete drain tile shall comply with ASTM C-4 or ASTM C-412, or tile may be asbestos cement or bituminized-fiber pipe.

Drain tile shall be installed having a minimum slope to outfall of ½ per cent (approximately 1 inch in 20 feet). Protect top of joints in drain tile with 6 to 8 inches of coarse gravel or crushed rock or blast-furnace slag. Provide approximately 2 inches of aggregate material under tile.

Foundation drains may be omitted, when acceptable to FHA field office, in locations where well-drained soil exists or where ground or surface water will not present a problem.

Exterior foundation walls of masonry or of double-formed concrete enclosing basement or habitable space below grade shall be dampproofed.

masonry foundation walls

a. Apply at least 1 coat of Portland cement parging to wall from footing to finish grade. Minimum thickness, ⅜ inch.

b. Apply at least 1 coat of bituminous dampproofing material over parging. Apply at rate recommended by the manufacturer. Bituminous materials shall comply with 712-1 (FHA Minimum Property Standards).

concrete foundation walls

Apply at least 1 coat of bituminous dampproofing material to wall from footing to finish grade. Apply at rate recommended by manufacturer. Bituminous materials shall comply with 712-1 (FHA Minimum Property Standards).

Foundation dampproofing may be omitted, when acceptable to FHA field office, in locations where well-drained soil exists or where ground surface water will not present a problem.

Masonry water-repellent Specifications

material

Shall be a clear, colorless solution in mineral thinner and shall have a flash point of not less than 80° F. It shall have a solids content of not less than 5%, of which 100% shall be silicone resin.

The water-repellent material shall not have an obnoxious odor either in the container or during application. It shall be of such consistency that it may be applied readily at sub-freezing temperatures, and shall leave no visible film after application.

scope

It shall be used on all exterior above-grade masonry surfaces such as concrete, brick, stucco, concrete block, porous tile, stone and mortar joints in all types of masonry structures.

surface preparation

Clean all surfaces to be treated until free of dirt, excess mortar, loose particles and all other foreign material. Remove salt deposits from previous efflorescence, by washing with dilute acid solution, such as muriatic, followed by thorough flushing with water. Grease or oil stains may be removed with mineral solvents, caustic cleaning compounds or detergent solution, followed by rinsing with clear water. Repoint all joints where mortar is loose or missing. Repair all holes and cracks larger than hairline. If surfaces to be treated have been wetted by rain or copious amounts of water in the cleaning process, at least two days drying, under favorable conditions, should be allowed before application of the water repellent treatment. New masonry requires 2 to 3 weeks drying under normal conditions before application of a water repellent.

application

Preferred application is by low spray, not exceeding 10 psi at the gun and the lowest possible fluid pressure that will maintain a continuous flow of material. Keep nozzle of gun approximately 6 inches from the wall and make final pressure adjustment to completely eliminate or minimize splashing and formation of a mist or fog. The water repellent should be flooded on to the surface to the point of maximum absorption, as indicated by a run-down of six to twelve inches or more, depending upon the denseness of the masonry. Application should be made at the rate of 75-100 square feet per gallon on masonry of normal porosity. On dense masonry which will not accept and absorb the water repellent at that rate, the coverage may be extended to a maximum of 175-200 square feet per gallon. In such situations, two coats may be desired. At least two to four hours under good drying conditions should be allowed between coats.

Application by brushing is satisfactory if care is taken to apply a liberal enough coat to meet recommended coverage rate. Roller application at the same rate is also satisfactory if the surface is smooth enough for all areas to be reached. Most often, however, in masonry construction the mortar joints are inset to such an extent that low pressure spray or brush application is the only practical satisfactory method of application. The same would apply to coarse texture stucco.

Overspray or splashing on other exterior oil or water based paints is harmless and may be left without damage. The water repellent may be removed from glass or hardware at any convenient time with a cloth dampened with paint thinner.

safety precautions

A dilute water-repellent solution prepared as indicated under "Material" constitutes no more of a hazard than any ordinary architectural paint when normal precautions are taken and "good housekeeping" is practiced. Because of the high-solvent concentration, prolonged breathing of vapors should be avoided and the usual precautions against fire should be observed. When spraying the water repellent, even at the recommended low pressures, the operator should be protected with goggles and a respirator that will prevent the passage of solvent mist or fog, which, when inhaled, is very toxic.

Courtesy: General Electric Co.

BRAND NAMES DIRECTORY

(Continued from page 374)

SWIVEL-EZE Allied Metals Inc
SYMENTARD Horn A C Companies
SYMENTREX Horn A C Companies
SYSTEMETTE Zurn Industries Inc
SYNTHE-WOOD Ambroid Co
SYRIAN Standard Brick & Tile Corp
SYSTEM WEATHERMAKER Carrier Corp
T B S Turner & Seymour Mfg Co
T F C Tennessee Fabricating Co
T M B Thomas Moulding Floor Co Inc
T V P Tamms Industries Co
TAB LOCK Certain-Teed Sales Corp
TABLE-CABLE Buschman E W Co Inc
TACK-IT O'Brien Corp
TAINTOR Smith Seymour & Son
TAKE-OUT Zegers Inc
TALK-A-RADIO Talk-A-Radio Mfg Co
TAMCO Tamms Industries Co
TAM COTE Tamms Industries Co
TAMPA McPherson Inc
TAMTEX Tamms Industries Co
TAP-EEZ Bryant Electrical Co
TAPER Capitol Products Co
TAPER SEAL Capitol Products Co
TA-PER-TAPE Marvan Corp
TAPERTABS Globe Roofing Prods Co Inc
TAPE-R-TRACK Winfield Door Corp
TAP-N-ROL B & T Metals Co
TAR-ROK Allied Chemical Corp
TASGON Cabot Samuel Inc

(Continued on page 386)

TUFF-BOND
SUPER-STRENGTH ADHESIVES
Formulated for the Construction Industry

TUFF-BOND QUIK-SET ADHESIVE . . . An excellent all purpose FAST-SETTING ADHESIVE with neoprene base . . . brush consistency.

***TUFF-BOND GENERAL PURPOSE** . . . An ALL PURPOSE water resistant adhesive that *sticks almost anything to anything.*

***TUFF-BOND NO. 2-S** . . . An oyster white CERAMIC TILE ADHESIVE.

***TUFF-BOND NO. 4** . . . A WALLBOARD AND A DRY WALL ADHESIVE. An economical adhesive with great strength and excellent aging qualities.

TUFF-BOND No. 5 . . . A FIBRE AND ACOUSTICAL TILE ADHESIVE with strong bonding strength.

TUFF-BOND NO. 8 . . . A CONTACT BOND ADHESIVE for bonding laminates to wood and to metal.

**Complies with Commercial Standard CS 181-52.*

Recommendations for special adhesives made without cost or obligation.

GOODLOE E. MOORE
INCORPORATED
DANVILLE 6, ILLINOIS

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Builders everywhere are finding that handsome, guaranteed-dry basements make homes easier to sell. And this can be your least expensive sales feature. Using our new long-handled broad brush, one man can coat the inside walls of the average new basement in less than one hour. A single coat will do except in extreme moisture conditions. Ask for a job sign, because we advertise nationally to prospective home owners. Thoroseal is available in white, pearl gray and a variety of attractive pastel colors. There is a dealer in every locality to insure prompt supply. Write for our new 20-page specification guide.

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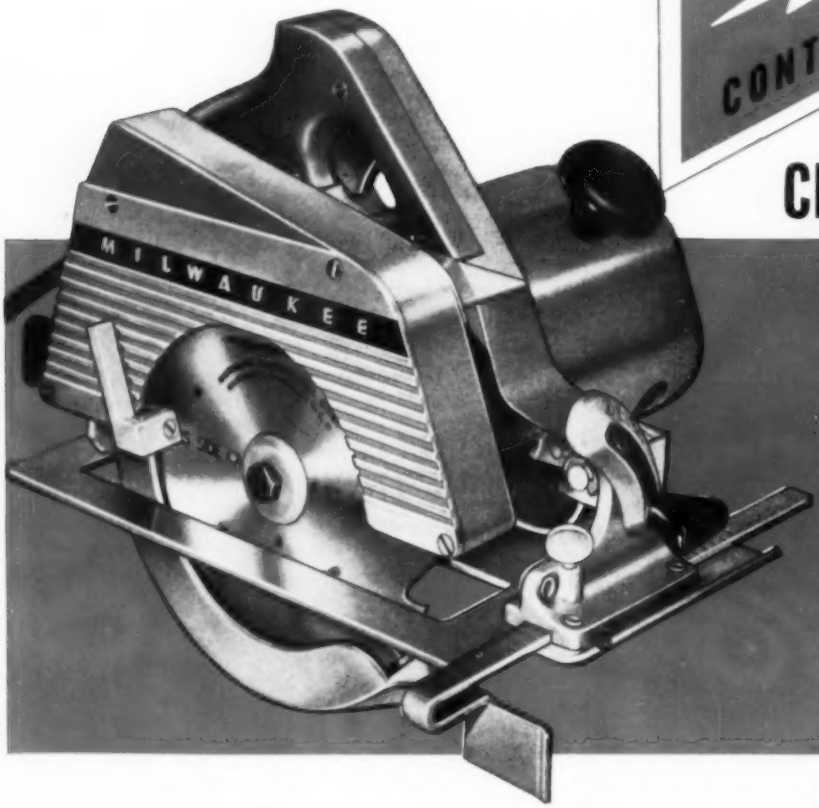
Standard Dry Wall Products, Inc.
Box X, New Eagle, Pa.
Plants at New Eagle, Pa., and Centerville, Ind.

PREFERRED

by Builders for Power, Cutting Speed and Accuracy

Milwaukee
CONTRACTOR'S TOOLS

Super-Powered CIRCULAR SAWS



No other circular saw offers you *ALL THESE FEATURES!*

- Full 1¾ HP at the blade
- Exclusive coaster-brake clutch drive prevents kickback . . . protects gears, shafts, and motor.
- One-piece wrap-around steel shoe.
- Helical-cut, hardened steel gears.
- All ball and roller bearings.
- Clear-view sighting of blade edge.
- Telescoping blade guard.
- No-slip, balanced grip.
- Miter cuts to 45°.

. . . There's no doubt about it . . . MILWAUKEE Circular Saws are *built for the builder! Here's why:*

They're precision-designed for greatest accuracy . . . super-powered for high speed, heavy-duty day-in-and-day-out use . . . and perfectly balanced for easier handling. They're rugged and functionally styled — with the capacity to handle any type of construction work faster and easier.

No other saws can match MILWAUKEE for dependability and quality. No other saws give you the performance advantages that pay off in superior workmanship and more profitable production.

See your MILWAUKEE Distributor or write for free copy of Bulletin SW-27.

MILWAUKEE ELECTRIC TOOL CORP.
5356 W. STATE STREET • MILWAUKEE 8, WISCONSIN

Available in 3 popular sizes — 115 or 230 volts

6½" Heavy-Duty Model - $69.50
7¼" Heavy-Duty Model - $79.50
8¼" Heavy-Duty Model - $89.50

All models furnished complete with combination blade and rip fence. Also available with steel carrying case.

AO-102

Find Your Nearest Dealer in the Yellow Pages

Look under—Tools-Electric

Power Tool Wire Data

Recommended Extension Cord Sizes for Use with Portable Electric Tools

Name-plate Amperes	CORD LENGTH IN FEET																			
	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
1	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14
2	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14	12	12	12	12	12
3	16	16	16	16	16	16	14	14	14	14	12	12	12	12	12	12	10	10	10	10
4	16	16	16	16	14	14	14	12	12	12	12	12	12	10	10	10	10	10	10	10
5	14	14	14	14	14	14	12	12	12	12	10	10	10	10	10	8	8	8	8	8
6	14	14	14	14	14	12	12	12	10	10	10	10	10	8	8	8	8	8	8	8
7	14	14	14	14	12	12	12	10	10	10	10	8	8	8	8	8	8	8	8	8
8	14	14	14	14	12	12	10	10	10	10	8	8	8	8	8	8	8	8	8	
9	14	14	14	12	12	10	10	10	8	8	8	8	8	8	8	8	8			
10	14	14	14	12	12	10	10	10	8	8	8	8	8	8	8					
11	12	12	12	12	10	10	10	8	8	8	8	8	8	8						
12	12	12	12	12	10	10	8	8	8	8	8	8	8							
13	12	12	12	12	10	10	8	8	8	8	8	8								
14	10	10	10	10	10	10	8	8	8	8	8									
15	10	10	10	10	10	8	8	8	8	8										
16	10	10	10	10	10	8	8	8	8	8										
17	10	10	10	10	10	8	8	8	8											
18	8	8	8	8	8	8	8	8	8											
19	8	8	8	8	8	8	8	8												
20	8	8	8	8	8	8	8	8												

NOTE: Wire sizes shown are A.W.G. (American Wire Gauge).

Table courtesy of Thomas Y. Crowell Co.

115 Volt D.C., or A.C. — Unity Power Factor. 2% Voltage Drop (2.3 Volts)

Watts	WIRE SIZE / Amperes at 115 V.	#14	#12	#10	#8	#6	#4	#2
		*Distances						
100	.87	510	810	1280	2040	3250	5300	8200
200	1.74	255	405	640	1020	1625	2650	4100
300	2.61	170	270	430	680	1080	1770	2730
400	3.48	125	200	320	510	810	1325	2050
500	4.35	100	160	255	410	650	1060	1640
750	6.52	65	100	170	275	430	710	1090
1000	8.69	50	80	125	205	325	530	820
1500	13.04	35	55	85	140	215	350	550
2000	17.38	25	40	65	100	160	265	410
2500	21.73	20	35	50	80	130	210	350
3000	26.07	15	25	40	65	110	180	275
3500	30.42	....	22	35	60	90	150	235
4000	34.76	....	20	30	50	80	130	210
4500	39.11	....	15	28	45	70	115	170
5000	43.46	....	....	25	40	65	105	160
6000	52.14	....	....	20	35	55	85	135
7000	60.83	....	....	....	28	45	75	115
8000	69.52	....	....	....	25	40	65	100
9000	78.22	....	....	....	....	35	55	90
10000	86.91	....	....	....	....	30	50	80

*Above figures represent a one-way distance in feet for a 2 wire run. If a 4% voltage drop is permissable, double the distance listed.

If only 1% voltage drop is allowable divide the distance listed by 2.

SINGLE-PHASE 115-Volt A.C. — Use 115 Volt table above.

SINGLE-PHASE 115/230-Volt A.C., 3 Wire — Use 115 Volt table above for each 115 Volt circuit.

SINGLE-PHASE 230-Volt A.C. — In table above, use *Watts* column, multiply distances by 4, or use *Amperes* column, multiply distances by 2.

SINGLE-PHASE 440-Volt circuit — In table above, use *Watts* column, multiply distances by 16, or use *Amperes* column, multiply distances by 4.

115 Volt D.C. — Use 115 Volt table above.

230 Volt D.C. — In table above, use *Watts* column, multiply distances by 4, or use *Amperes* column, multiply distances by 2.

THREE PHASE SYSTEMS

1. Three-phase 230-volt circuit.—Multiply the distances in the 115 volt table No. 6A by 2¼ for the same load. *Use the Amps column.*
2. Three-phase 440-volt circuit.—Multiply the distances in the 115 volt table No. 6A by 4½ for the same load. *Use the Amps column.*
3. Single-phase 120-volt circuit.—Use the distances in the 115 volt table No. 6A. *Use the Amps column.*

TYPICAL RUNNING CURRENT REQUIREMENTS OF MOTORS

HORSE POWER	115 V 1 Phase A.C.		230 V 1 Phase A.C.		230 V 3 Phase A.C.		115 V D.C.		230 V D.C.	
	C	W	C	W	C	W	C	W	C	W
1/8	2.6	14	1.3	14						
1/6	3.2	14	1.6	14						
1/4	4.6	14	2.3	14			3.0	14		
1/3	6.0	14	3.0	14			3.8	14		
1/2	7.4	14	3.7	14	2.0	14	4.6	14	2.3	14
3/4	10.2	14	5.1	14	2.8	14	6.6	14	3.3	14
1	13.0	12	6.5	14	3.5	14	8.6	14	4.3	14
1-1/2	18.4	10	9.2	14	5.0	14	12.6	12	6.3	14
2	24.0	10	12.0	14	6.5	14	16.4	10	8.2	14
3	34.0	6	17.0	10	9.0	14	24.0	10	12.0	14
5	56.0	4	28.0	8	15.0	12	40.0	6	20.0	10
7-1/2					22.0	10	58.0	3	29.0	8
10					27.0	8	76.0	2	38.0	6

C = Full Rated Load Current in amperes (Amperes *while starting* are MUCH higher)
W = Minimum Wire Size permitted by Code; larger sizes often required — Check Distance for Voltage Drop.

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LETTER SIZE DRILLS

Letter	Diam.	Letter	Diam.	Letter	Diam.	Letter	Diam.	Letter	Diam.
A	.234	G	.261	L	.290	Q	.332	V	.377
B	.238	H	.266	M	.295	R	.339	W	.386
C	.242	I	.272	N	.302	S	.348	X	.397
D	.246	J	.277	O	.316	T	.358	Y	.404
E	.250	K	.281	P	.323	U	.368	Z	.413
F	.257								

NUMBER SIZE DRILLS

No.	Dia.	No.	Dia.	No.	Dia.	No.	Dia.	No.	Dia.
1	.2280	17	.1730	33	.1130	49	.0730	65	.0350
2	.2210	18	.1695	34	.1110	50	.0700	66	.0330
3	.2130	19	.1660	35	.1100	51	.0670	67	.0320
4	.2090	20	.1610	36	.1065	52	.0635	68	.0310
5	.2055	21	.1590	37	.1040	53	.0595	69	.0292
6	.2040	22	.1570	38	.1015	54	.0550	70	.0280
7	.2010	23	.1540	39	.0995	55	.0520	71	.0260
8	.1990	24	.1520	40	.0980	56	.0465	72	.0250
9	.1960	25	.1495	41	.0960	57	.0430	73	.0240
10	.1935	26	.1470	42	.0935	58	.0420	74	.0225
11	.1910	27	.1440	43	.0890	59	.0410	75	.0210
12	1890	28	.1405	44	.0860	60	.0400	76	.0200
13	.1850	29	.1360	45	.0820	61	.0390	77	.0180
14	.1820	30	.1285	46	.0810	62	.0380	78	.0160
15	.1800	31	.1200	47	.0785	63	.0370	79	.0145
16	.1770	32	.1160	48	.0760	64	.0360	80	.0135

DECIMAL EQUIVALENTS

1/64 = .015625	1/4 = .250	1/2 = .500	3/4 = .750
1/32 = .03125	17/64 = .265625	33/64 = .515625	49/64 = .765625
3/64 = .046875	9/32 = .28125	17/32 = .53125	25/32 = .78125
	19/64 = .296875	35/64 = .546875	51/64 = .796875
1/16 = .0625	5/16 = .3125	9/16 = .5626	13/16 = .8125
5/64 = .078125	21/64 = .328125	37/64 = .578125	53/64 = .828125
3/32 = .09375	11/32 = .34375	19/32 = .59375	27/32 = .84375
7/64 = .109375	23/64 = .359375	39/64 = .609375	55/64 = .859375
1/8 = .125	3/8 = .375	5/8 = .625	7/8 = .875
9/64 = .140625	25/64 = .390625	41/64 = .640625	57/64 = .890625
5/32 = .15625	13/32 = .40625	21/32 = .65625	29/32 = .90625
11/64 = .171875	27/64 = .421875	43/64 = .671875	59/64 = .921875
3/16 = .1875	7/16 = .4375	11/16 = .6875	15/16 = .9375
13/64 = .203125	29/64 = .453125	45/64 = .703125	61/64 = .953125
7/32 = .21875	15/32 = .46875	23/32 = .71875	31/32 = .96875
15/64 = .234375	31/64 = .484375	47/64 = .734374	63/64 = .984375

Screw Chart—Drill and Bit Sizes

SIZE OF SCREW			0	1	2	3	4	5	6	7	8	9	10	11	12	14	16	18	20	24
SHANK HOLES	Drill number or letter		52	47	42	37	32	30	27	22	18	14	10	4	2	D	I	N	P	V
	Drill Size nearest fraction		1/16"	3/64"	3/32"	7/64"	7/64"	1/8"	9/64"	5/32"	11/64"	3/16"	3/16"	13/64"	7/32"	1/4"	17/64"	19/64"	21/64"	5/8"
PILOT HOLES	Hard Wood	Drill number or letter	70	66	56	54	52	49	47	44	40	37	33	31	30	25	18	13	4	1
		Drill Size nearest fraction	1/32"	1/32"	3/64"	1/16"	1/16"	3/64"	3/64"	3/32"	3/32"	7/64"	7/64"	1/8"	1/8"	9/64"	3/32"	3/16"	13/64"	7/32"
	Soft Wood	Drill number or letter	75	71	65	58	55	53	52	51	48	45	43	40	38	32	29	26	19	15
		Drill Size nearest fraction	1/64"	1/32"	1/32"	3/64"	3/64"	1/16"	1/16"	1/16"	3/64"	3/64"	3/32"	3/32"	7/64"	7/64"	3/64"	3/64"	13/64"	3/16"
AUGER BIT FOR COUNTERSINK (By 16ths)			—	—	3	4	4	4	5	5	6	6	6	7	7	8	9	10	11	12

Abrasive Chart for Use with Portable Sanders

WOODS	Roughing	Finishing	Fine Finishing
OAK	2½ to 1½A	½ to 1/0G	2/0 to 4/0G
MAPLE	2½ to 1A	½ to 1/0G	2/0 to 4/0G
BIRCH	2½ to 1A	½ to 1/0G	2/0 to 4/0G
WALNUT	2½ to 1½A	½ to 1/0G	2/0 to 4/0G
MAHOGANY	2½ to 1½A	½ to 1/0G	2/0 to 3/0G
GUM	2½ to 1½A	½ to 1/0G	2/0 to 3/0G
CURLY MAPLE	2½ to 1½A	½ to 1/0G	2/0 to 4/0G
CYPRESS	2½ to 1½A	½ to 1/0A	2/0G
INDOAKO	1½A	½ to 1/0G	2/0 to 4/0G
FIR	1½ to 1A	½ to 1/0G	2/0G
WHITE PINE	1½ to 1G	1/0G	2/0G
YELLOW PINE	2 to 1½SA	½G	1/0G
WILLOW	2A	½ to 1/0G	2/0G
Removing Paint and Varnish	3½ to 2½SA Spaced Grain	A solution of three parts kerosene and one part light lubricating oil wiped lightly over varnished surface before sanding will increase belt service.	

Symbols: G—Garnet for soft wood. A—Artificial for hard wood. SA—Spaced for paint or varnish.

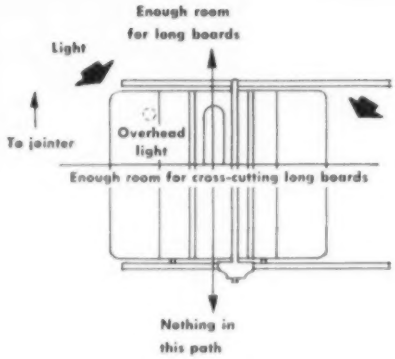
Comparative Grading Chart for Abrasives

GRAIN SIZE (mesh)	CORUNDUM AND EMERY CLOTH	FLINT PAPER	GARNET, SILICON CARBIDE, ALUMINUM OXIDE
320 (very fine)			10/0
240 " "		5/0	7/0
220 " "		4/0	6/0
200 (fine)		3/0	
180 "	3/0		5/0
150 "	2/0		4/0
136 "		2/0	
120 "			3/0
110 "	0	0	
100 "			2/0
90 (medium)	½	½	
80 "	1		0
70 "	1½	1	
60 "			½
56 "	2		
50 "		1½	1
40 (coarse)	2½	2	1½
36 "			2
30 "	3	3	2½
24 (very coarse)			3
20 " "			3½
16 " "			4

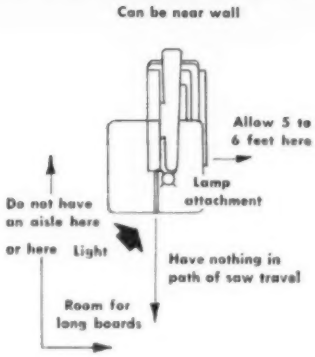
From "How to Use Portable Power Tools" by Maurice H. Reid, Thomas Y. Crowell Co., Publisher

TOOLS, EQUIPMENT

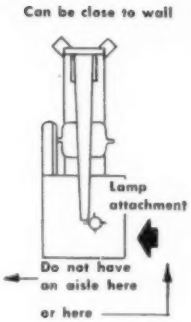
Shop Layout For Wood Working Machines



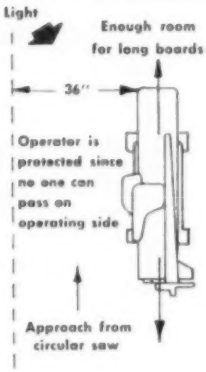
CIRCULAR SAW



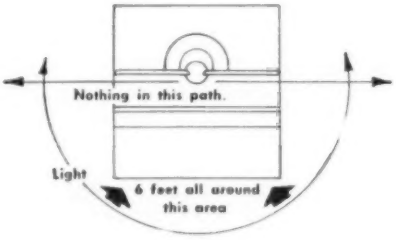
BAND SAW



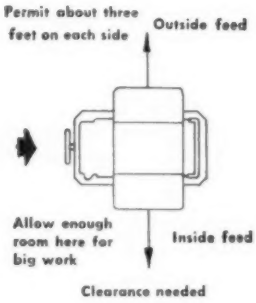
SCROLL SAW



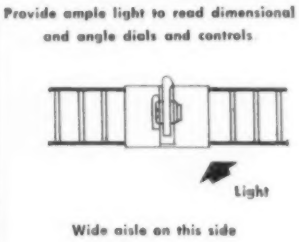
JOINTER



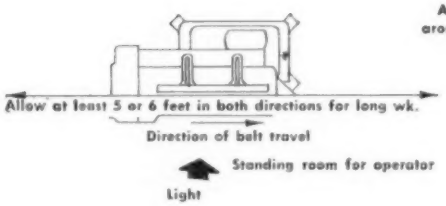
SHAPER



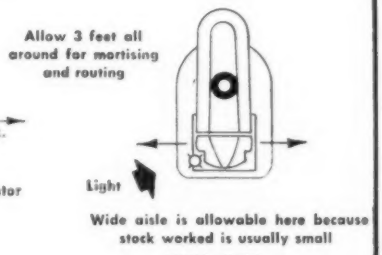
PLANER



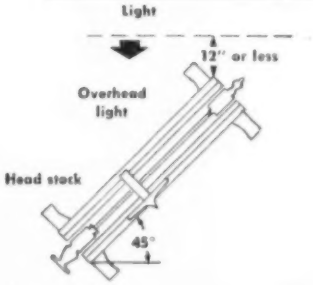
RADIAL ARM SAW



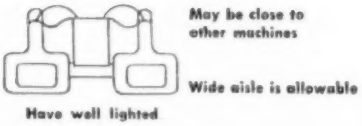
BELT SANDER



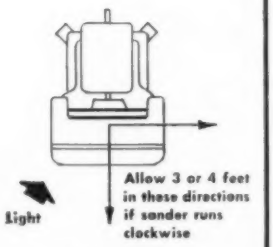
DRILL PRESS



WOOD TURNING LATHE



GRINDER



DISK SANDER

19

MINIMUM CAPACITY TABLES FOR A.G.C. SELF-PRIMING CENTRIFUGAL PUMPS

The following tables have been adopted as minimum capacity standards by the Contractors Pump Bureau of The Associated General Contractors of America, Inc., and set forth the performance requirements under average job conditions for these pumps.

MODEL 4-M—1½ in.—1 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
15 ft.	67			
20 ft.	66	59		
25 ft.	65	58	47	
30 ft.	63	56	47	33
40 ft.	54	49	44	32
50 ft.	37	35	34	29
55 ft.	25	25	25	25
60 ft.	13	13	13	13

MODEL 7-M—2 in.—2 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
25 ft.	115	100	85	
30 ft.	114	98	84	65
40 ft.	107	92	79	63
50 ft.	94	78	68	57
60 ft.	68	55	48	43
65 ft.	48	40	35	31
70 ft.	25	21	19	17

MODEL 10-M—2 in.—3 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
25 ft.	166			
30 ft.	164	145	115	80
40 ft.	157	140	113	79
50 ft.	145	130	107	75
60 ft.	122	110	97	68
70 ft.	85	82	75	53
80 ft.	20	20	19	18

MODEL 15-M—3 in.—5 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
30 ft.	266	224	182	142
40 ft.	245	214	177	140
50 ft.	216	200	169	135
60 ft.	184	176	156	127
70 ft.	142	138	130	114
80 ft.	102	98	95	90
90 ft.	52	52	52	52
95 ft.	26	26	26	26

MODEL 20-M—3 in.—7½ H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
30 ft.	333	280	235	165
40 ft.	310	268	230	162
50 ft.	275	245	220	155
60 ft.	220	210	195	143
70 ft.	160	156	155	125
80 ft.	90	90	90	88
85 ft.	50	50	50	50

MODEL 30-M—4 in.—16 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
30 ft.	500	435	350	250
40 ft.	495	430	345	250
50 ft.	475	415	340	245
60 ft.	450	400	325	240
70 ft.	415	370	300	230
80 ft.	355	325	270	210
90 ft.	250	240	215	175
100 ft.	100	100	100	100
105 ft.	20	20	20	20

MODEL 40-M—4 in.—22 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
25 ft.	655			
30 ft.	660	575	475	355
40 ft.	645	565	465	350
50 ft.	620	545	455	345
60 ft.	585	510	435	335
70 ft.	535	475	410	315
80 ft.	465	410	365	280
90 ft.	375	325	300	220
100 ft.	250	215	195	145
110 ft.	65	60	50	40

MODEL 90-M—6 in.—30 H.P.

The following table gives capacity in gallons per minute:

TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
25 ft.	1500			
30 ft.	1480	1280	1050	790
40 ft.	1430	1230	1020	780
50 ft.	1350	1160	970	735
60 ft.	1225	1050	900	690
70 ft.	1050	900	775	610
80 ft.	800	680	600	490
90 ft.	450	400	365	300
100 ft.	100	100	100	100

MODEL 125-M—8 in.—40 H.P.

The following table gives capacity in gallons per minute:

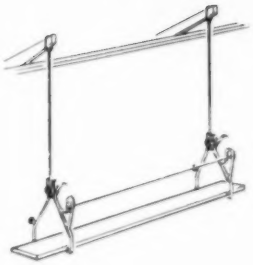
TOTAL HEAD INCLUDING FRICTION	HEIGHT OF PUMP ABOVE WATER 10 Ft.	15 Ft.	20 Ft.	25 Ft.
25 ft.	2100	1850	1570	
30 ft.	2060	1820	1560	1200
40 ft.	1960	1740	1520	1170
50 ft.	1800	1620	1450	1140
60 ft.	1640	1500	1360	1090
70 ft.	1460	1340	1250	1015
80 ft.	1250	1170	1110	950
90 ft.	1020	980	940	840
100 ft.	800	760	710	680
110 ft.	570	540	500	470
120 ft.	275	245	240	240

WHAT'S AVAILABLE

Rolling scaffolding . . . generally is built up into towers of varying heights set on steel casters. One of their prime features is that they straddle aisles, walks or equipment while they are being moved around a job.

Scissor scaffolding . . . can set a workman at a variety of stations. It is generally raised and lowered by pneumatic, hydraulic, and screw jacks. But some types are raised and lowered by hand and held positioned by bolts.

Adjustable work platforms . . . are made up of tubular steel scaffolding frames that can be built up or broken down to create a variety of fixed heights. These are engineered for easy erection, dismantling and stacking.



Suspended scaffolding . . . hangs by cables from outriggers anchored to a building. A hand or power winch raises and lowers them. They most frequently are seen in operation on multi-story buildings.

HOW TO HANDLE THEM SAFELY

- Make certain they have sufficient underpinning in addition to base plates when erecting them on soft ground.
- Compensate for uneven ground with adjustable base plates.
- Always level and plumb scaffolding thoroughly.
- Don't force braces to fit. Badly fitting braces usually indicate scaffolding isn't level.
- Check the cam lever on braces to make certain it is in a "down" position.
- Prevent scaffold structure from racking with horizontal braces.
- Check stack locks at the base of each panel leg to see that it engages holes in the stack coupling of panels.
- Anchor running scaffolding every 30 ft. of length and every 25 ft. of height.
- Regardless of scaffold height, install guard rails.
- Don't let workmen climb cross braces. Provide scaffold ladders when not using ladder panels.
- Make certain scaffold planking is sound.
- Don't tie putlogs together on spans longer than 21 ft.
- Handle rolling towers with care. Guy them when in use, lock caster brakes, and move them with care.
- Don't shore concrete decks with scaffolding until you first determine what loads and stresses are involved.
- Keep all rolling equipment in good repair.
- Discard or repair damaged or deteriorating scaffolding.
- Follow your local safety codes and regulations.

GENERAL SPECIFICATIONS

Elyria grade steel is the metal most commonly used in tubular scaffolding. Other steels used are aluminum, magnesium, mild and carbon steels.

Tubing for scaffolding generally measures 1.625 in. in diameter. This standardized size permits the stacking of scaffolding made by different manufacturers.

The scaffolding generally is made up in panel frames of 5-ft. widths unless they are designed for some special purpose. The 5-ft. panel can carry six 2x10-in. edge-planed planks between its leg posts, to make up a standard-width scaffold platform. Panel heights vary from 1-ft. extension members to 10-ft.-high walk-through members. Standard panels measure 5 ft. wide and 6½ ft. high, though 4x4½-ft. frames are available. Usually, frame heights graduate in 1-ft. increments except where they are made for special purposes.

Governing frame spacing and brace lengths are the plank spans. Considered most practical and economic spacing: 7 ft.—when 2-in. planks are used. Shorter spacing is usually reserved for shoring and heavy loading. Employing 3-in. planks makes longer spacing of frames possible.

Bracing that goes into scaffolding can be both single and double. Staggering diagonal bracing between frames omits double bracing and serves light loading purposes. Double bracing forces leveling of frames, offers greater stiffness, and will serve as single tower frames, shoring, and elevator frames.

Inserting casters under the legs of rigid scaffold frames converts the structure into a rolling tower generally employed for interior work, concrete decks, and special shoring. Such towers will also be found in masonry and mechanical installations.

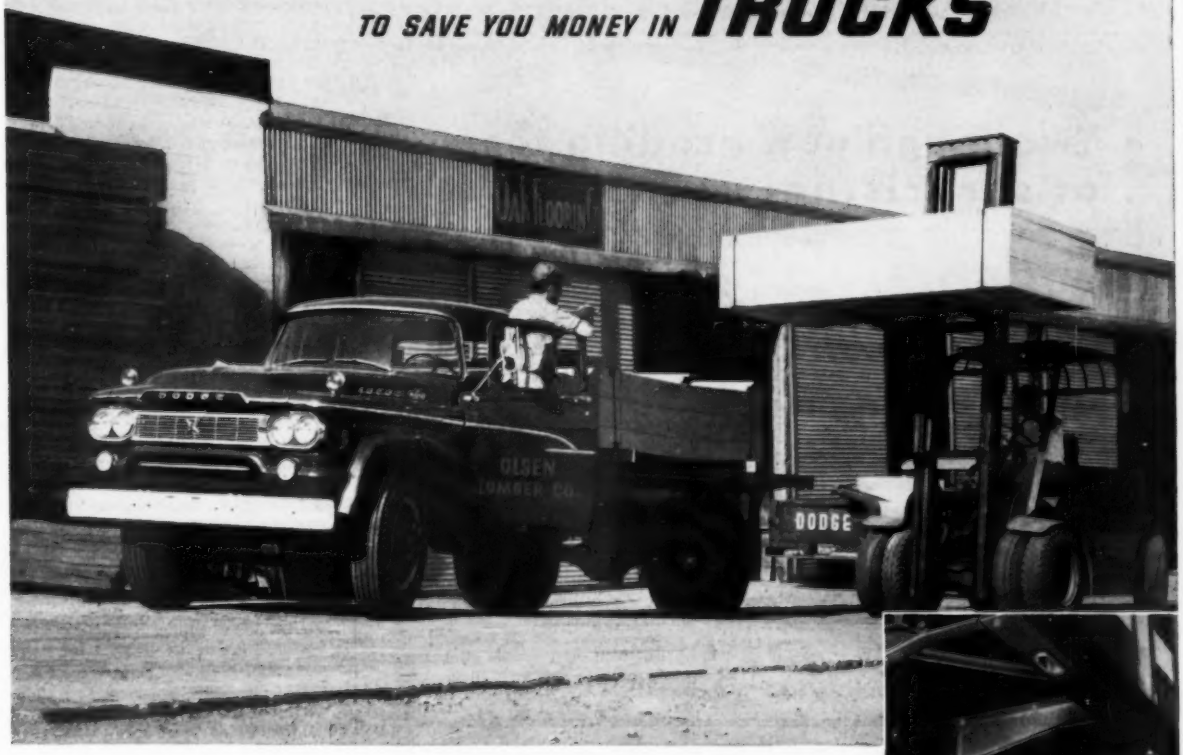
Tough loadtender...
1960 DODGE TRUCK

Pile it on! For here's a stake-platform you can load up with little fear of loading down. A *tough* truck, quality-built to weather big-load punishment.

Heavy-duty frame, springs and axles allow a top payload of nearly seven tons in the rugged D500 model shown below . . . and an all-steel underbody supports your cargo. Four engine options (two V-8's, two Sixes) let you pick the power that's thriftiest for your kind of driving. Horsepower from 125 to 202.

Other models from 4,250 lbs. G.V.W. to burly new C500 Cab-Forwards rated at 19,500 lbs. maximum G.V.W. Stake body lengths from 7½ to 14 feet. Whatever your truck requirements, get in touch with your Dodge dealer soon. Let him give you the lowdown on why you can

DEPEND ON DODGE TRUCKS TO SAVE YOU MONEY IN



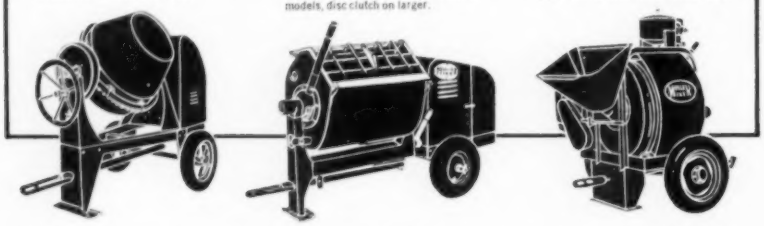
Quality Construction—Heavy-gauge steel supporting rails run full-length, full-width under the Dodge stake body for top strength and durability. Just one of a host of quality features exclusive with Dodge in the low-price field.

A PRODUCT OF CHRYSLER CORPORATION

TILTING CONCRETE MIXERS 3½ and 6 cu. ft. (mixed concrete). Electric or gasoline. Timken Bearings.

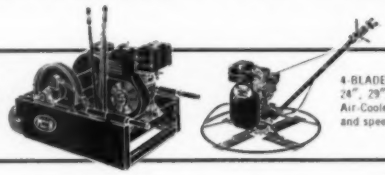
PLASTER and MORTAR MIXERS 5 sizes, 2 to 12 cu. ft. Electric or gasoline. Power throw-out on smaller models, disc clutch on larger.

NON-TILTING CONCRETE MIXERS 2 Models 3½ cu. ft. with batch hopper, and 6 cu. ft. with power loader skip.



MULLER MACHINES are RUGGED!

BUILDERS' and ROOFERS' HOISTS 6 models—200, 300, 400, 500, 750 and 1000 lbs. capacity. Portable, easily set up. Positive chain and sprocket drive.



4-BLADED POWER TROWELS 24", 29", 34", and 44" dia. Air-Cooled Engines. Clutch and speed controls on handle.

ALL MULLER MACHINES are *tough!* They stand up to rough handling without break-downs or frequent parts replacements, because they are products of the best in engineering, materials, and workmanship. Yet, for all their strength and durability, **MULLER MACHINES** are not high-priced...in fact, no other machines of comparable quality are priced lower.

MULLER MIXER

In addition to the units illustrated here, Muller also manufactures: Floor and Tower Hoppers, Concrete Carts, Foundry Core Sand Mixers, and Space Heaters.

Ask for literature, prices and full details.

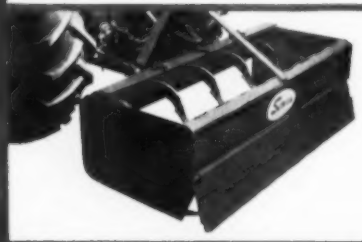
MULLER MACHINERY COMPANY, Inc.

248 Whitman Avenue, Metuchen 4, N. J.

Two tough new grading tools at surprisingly low prices!

New Lone Star Blade

We state flatly, this will be the largest selling light blade in the country, because it is the greatest value. All welded, sturdy, 240 lb. construction. 13" mouldboard plus 6" replaceable cutting edge of ½" grader-blade steel. 8 adjustments for angling and reversing. *And*... in most parts of the country it retails for under $100!



New Soil Scraper

At last, a scraper that really takes the ground. Can scarify and scrape at same time. Levels, grades, backfills. Curved mouldboard rolls dirt up for full load: 17 and 20 cu. ft. respectively in 66" and 72" models. A heavy duty tool, but favorable plant location means competitive delivered prices.

WRITE TODAY FOR MORE DETAILS

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EQUIPMENT COMPANY

1012 Singleton Blvd. • Dallas 21, Texas

BRAND NAMES DIRECTORY

(Continued from page 377)

TAYLOR MADE Taylor Garage Doors
T-CHORD LONGSPAN JOISTS Haven Busch Co
TEBCO Evans Brick Co
TECO Timber Engineering Co
TECO FAS-LOC Timber Engineering Co
TECO-U-GRIP Timber Engineering Co
TECO WEDGE-FIT Timber Engineering
TECTUM Tectum Corp
TECTONA Bangkok Industries Inc
THE PRESIDENT General Air Conditioning Corp
THERMALUME Globe Roofing Products
THERMASTER Thatcher Furnace Co
THERMAX-W General Cable Corp
THERMO-BASE Gerwin Industries Inc
THERMO-BORD Carey Philip Mfg Co
THERMO-ETCHSTONE Globe Roofing
THERMOFAX Minnesota Mining & Mfg
THERMO-KOLORGRAIN Globe Roofing
THERMOKOTE Vita-Var Corp
THERMO-PAD Wood Conversion Co
THERMORAMIC General Controls Co
THERMOPANE Libbey-Owens-Ford Glass
THERMO-O-PANEL Ohio Plate Glass Co
THERMO-SASH Kesko Prods Inc
THERMOSEAL Russel F C Co
THERMO-SHADOW-GRAIN Globe Roofing Products
THERMOTILE Curtis Companies Inc
THERMO-TRIEX Triangle Conduit & Cable Co.
THERMOWALL Globe Roofing Products
THERMOWOOD Globe Roofing Products
THERMO-VENT Damp-Vent Co
THICK BUTT Ruberoid Co
THILCO Thilmany Pulp & Paper Co
3-D TEXTURE PAINT Lowe Bros
38 PRATT & LAMBERT INC
3 G FULL WALL WIDTH Jeffery Form
3 M BRAND Minnesota Mining & Mfg Co
#33 COMPOUND DAP Dicks Armstrong
3 PURPOSE B I N Zinsser William & Co
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THOMAS A EDISON Coolerator McGraw-Edison
THOR Speedway Mfg Div Thor Power
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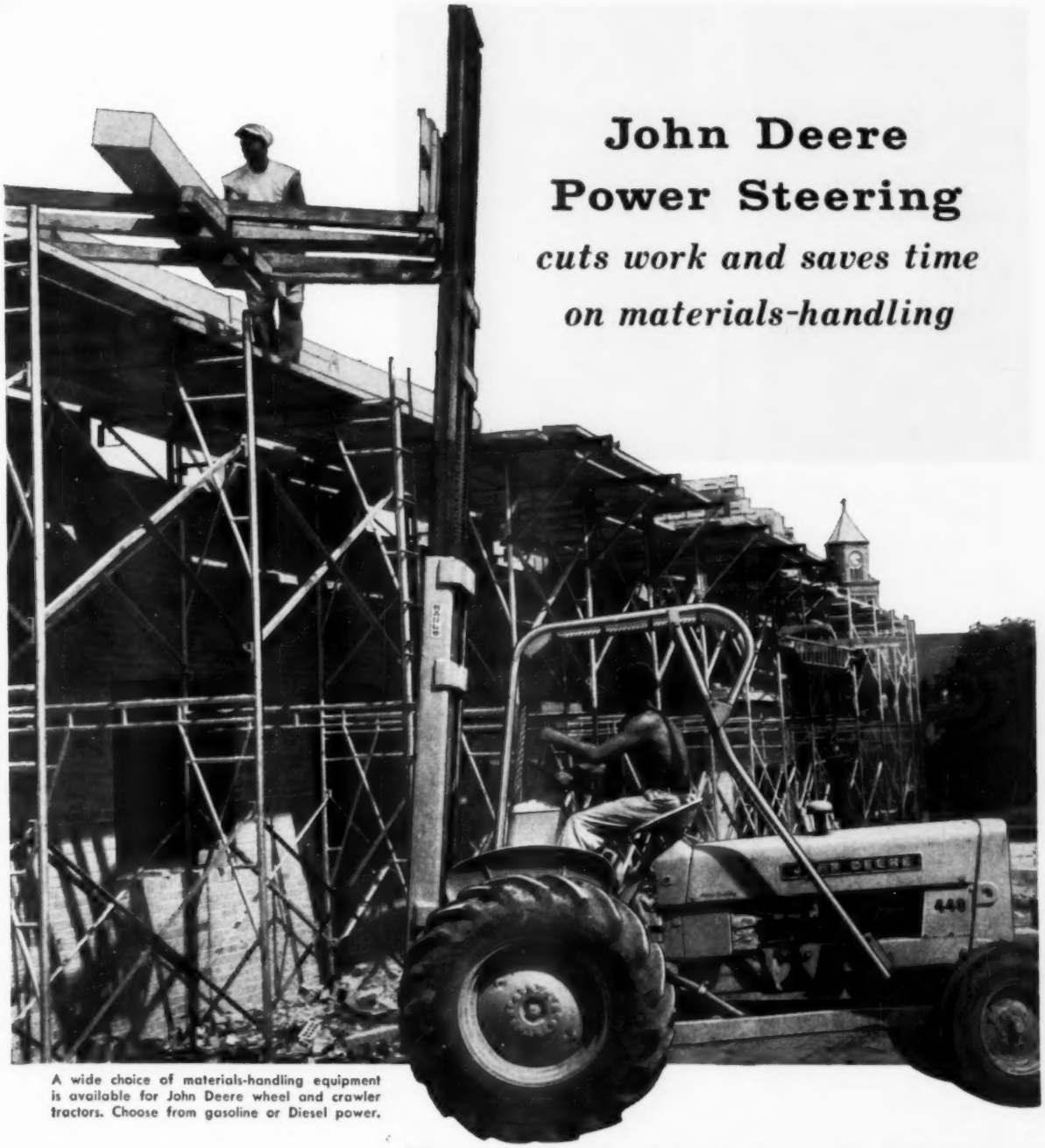
THORITE Standard Dry Wall Products
THOROSEAL Standard Dry Wall Prods
THOROBOND Standard Dry Wall Prods
THOROCLEAN Standard Dry Wall Prods
THOROPATCH Standard Dry Wall Prods
THOROSHEEN R W 7 Standard Dry Wall Prods
THOROSPAN Standard Dry Wall Prods
THOR SPEEDTOOLS Speedway Mfg Div
THREE-TWENTY Congoleum-Nairn Inc
THREPLEX Chase Brass & Copper Inc
THRIFT-LINE Southwestern Plastic Pipe
THRIFTMASTER Crawford Door Co
THRIFT-TRIM Markel Electric Prods Inc
THRIFTY Vento Steel Products Co Inc
THUNDER-TWIST New England Carbide
TIGER Samson Cordage Works
TIGER Tiger Brands Div Basic Inc
TIGER BRAND Columbia Geneva Steel
TIGER BRAND Lawrence W W & Co
TIGER BRAND Tennessee Coal & Iron
TIGER LIME Tiger Brands Div Basic Inc
TILEMASTER Tilemaster Corp
TILE-TITE Allied Chemical Barrett Div
TILE-TEX Pioneer Div Flintkote Co
TILE-WELD Larsen Products Corp
TIMBERLOCK Kees F D Mfg Co
TIMBERTOX Wood Treating Chemicals

(Continued on page 395)



John Deere Power Steering

cuts work and saves time on materials-handling

A wide choice of materials-handling equipment is available for John Deere wheel and crawler tractors. Choose from gasoline or Diesel power.

Masonry and mortar, panels and pipe are moved at minimum expense with low-cost John Deere fork lifts and materials-handling units. Advanced power steering and direction reverser insure smooth operation and all-day efficiency. Thrifty John Deere engines and simple maintenance requirements keep operating costs low. Parts and service available in major cities everywhere.

All John Deere Industrial Units can be purchased on terms of the John Deere Credit Plan. Terms are arranged confidentially with the John Deere Industrial Dealer. Contact him through the classified section of your telephone directory or write direct today.

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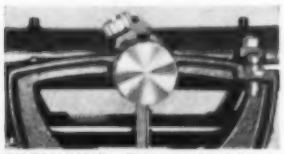
JOHN DEERE *"Specialists in Low-Cost Power with a Heavyweight Punch"*

TRIO OF "EXCLUSIVES"

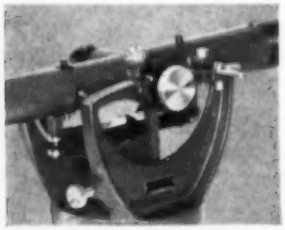
FOR QUICKER MORE ACCURATE SURVEYING

NEW... *Completely redesigned Dietzgen Builders' Transit-Level has three exclusive features that you should know about...*

EXCLUSIVE. *Totally enclosed leveling screws—removable and replaceable.* To keep lubricant **in**—and the harmfully abrasive effect of dirt and dust **out**—leveling screws and threads are completely enclosed. They will last longer than any "open" kind. And they are removable and replaceable. When they have outlived their usefulness, just remove a cap and pull out the leveling screws and bushings. New assemblies may be purchased. Spare yourself the time and money involved in replacing an entire unit.



EXCLUSIVE. *Side-mounted focusing knob for easier focusing.* Now, the focusing of the telescope may be done without disturbing its line of sight. Located on the end of the horizontal axis of the telescope, not on the telescope itself, the focusing knob may be operated without inadvertently moving the telescope. Here is a practical feature with real convenience.



EXCLUSIVE. *Top-mounted "rough" aiming sights for quick alignment.* Because time is money on the job, the fast but reasonably accurate initial sighting by means of "rough" aiming sights is a cost-cutter. An operator can quickly and easily swing on target ... lock the instrument in approximate position ... and then make fine adjustments with the tangent screw.

NEW ... tough plastic cover that fits tightly over light metal base. Large catches flip open or shut easily. Base plate threaded to hold instrument snugly and securely. A rugged case for safe carrying even with rough handling.

This rugged, two-in-one instrument can do all your surveying work from start to finish ... run boundary lines, lay out foundations, find elevation differences, level up excavation, align foundation piers, determine and set grades, plumb vertical lines, walls, uprights, chimneys and poles, run sewer and drainage lines, landscape ... all kinds of jobs, big and small.

And, this all-purpose instrument is exceptionally simple and easy to use ... no special mathematical or technical training is needed. Each Dietzgen Transit-Level is furnished with a free, easy to understand, self-teaching instruction manual containing complete operating instructions plus practical problems of many important applications.

For an instrument for all your surveying, with ease of operation, simplicity, ruggedness and accuracy, the Dietzgen Builders' Transit-Level is unexcelled. Write or call today for complete information. Ask for Bulletin N6385-D-23.

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EVERYTHING FOR DRAFTING SURVEYING & PRINTMAKING

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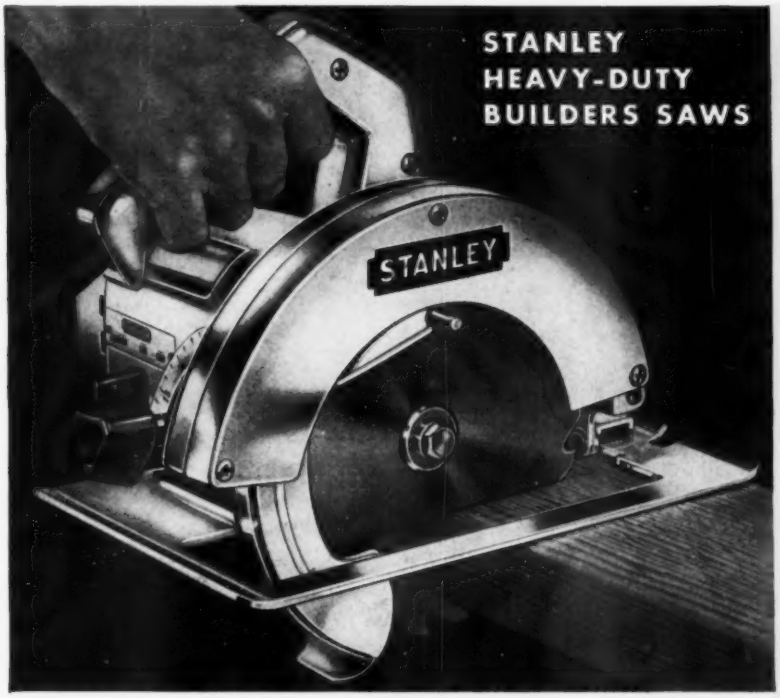
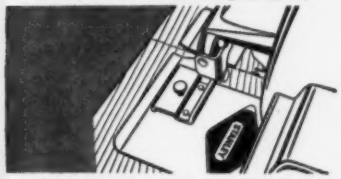


New rear-position controls! You set depth or bevel from the cutting position—fast!

Spring steel beam and wrought aluminum base give saws extra strong structure.



Big window lets you see clearly. One notch on base guides both 45° and 90° cuts.

SPRING SPECIAL! Save up to $15.00 on complete Builders Saw Kits

Take advantage of these terrific savings on Stanley Saw Kits for your busy season ahead. Saws pack nearly 40% more cutting force, feature ball-bearing construction, and weigh up to 2½ lbs. less than previous models—advantages that let you do *more* work with a lot *less* effort. And just look at the time-saving, work-saving advancements shown above.

Stop in and see these big bargains at your dealer's today. For catalog on Stanley's whole line of heavy-duty power tools, write: Stanley Electric Tools, Div. of The Stanley Works, 1004 Myrtle St., New Britain, Connecticut.

SPECIAL SPRING SAVINGS
Offer ends July 31, 1960

	Reg. Price	NOW	YOU SAVE
H268 6½" Saw	$54.95	$49.95	$ 5.00
H268K 6½" Saw Kit (If items bought separately)	69.95	56.95	13.00
*H269K 6½" Saw Kit (If items bought separately)	79.95	67.95	12.00
*H270K 7" Saw Kit (If items bought separately)	94.95	79.95	15.00

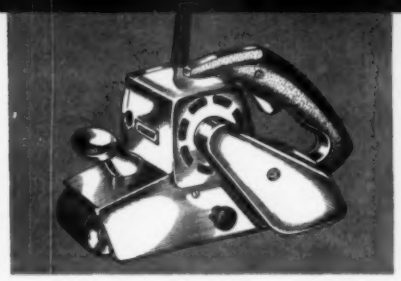
*ALL BALL AND NEEDLE BEARINGS

Prices slightly higher in Canada • Subject to change without notice.

Kits include saw, rip guide, wrench and this sturdy steel carrying case.

TRY STANLEY ELECTRIC TOOLS—*the complete line with new design*

Extra-heavy-duty H76 sabre saw speeds cutting of laths, counter tops, wall and floor holes, laminates, hard plastics, cable, sheathing. Cuts to ⅝" along a wall! $59.50.



Stanley's powerful H31 belt sander rough-sands and finishes wood, metal or plastic. Takes all the work out of sanding. Includes fine, medium, coarse belts. $89.95.

Stanley's H36 orbital sander is tough, heavy-duty. Ideal for small work areas, flush sanding. Comfortable, tapered handle, perfect balance. Air-cooled motor. $49.95.

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AMERICA BUILDS BETTER AND LIVES BETTER WITH STANLEY
This famous trademark distinguishes over 20,000 quality products of The Stanley Works, New Britain, Conn. — hand tools • electric tools • builders hardware • industrial hardware • drapery hardware • automatic door controls • aluminum windows • stampings • springs • coatings • strip steel • steel strapping — made in 24 plants in the United States, Canada, England and Germany.

CANADIAN PLANTS: HAMILTON, ONTARIO AND ROXTON POND, P. Q.

ANNOUNCING THE NEW

up to 30 mpg!

Totally new for *total* savings! Ford's new Falcon Ranchero delivers up to 30 miles on a gallon, yet its new 90-hp Six is geared to do a real job! There are lower costs for oil, tires, brakes, parts . . . nearly everything!

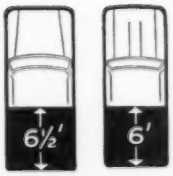
lowest priced* pickup!

The Falcon Ranchero is priced from $89 to $210 under competitive ½-ton pickups!* And that's just the start of your savings. Single-Unit construction saves on maintenance . . . it's tighter, quieter, with main underbody members zinc-coated against rust and corrosion. See your Ford dealer!

*Based on latest available manufacturers' suggested retail delivered prices with comparable standard equipment.

FORD Falcon RANCHERO

big 6-foot box!



STANDARD PICKUP — NEW FALCON PICKUP

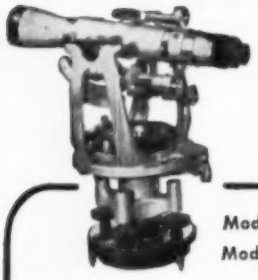
Load capacity is more than ample for most pickup hauls—nearly 7½ feet of load length with tailgate flat. And thanks to the low loading height, loading and unloading is faster, easier!

- Up to 30 miles on a single gallon of gas
- Up to 4000 miles between oil changes
- Diamond Lustre finish needs no waxing
- Low loading height
- Instant-lock tailgate opens, closes with a single, one-hand motion
- Roomy comfort for three passengers
- Styled to capture admiration

FORD TRUCKS COST LESS

LESS TO BUY... LESS TO RUN... BUILT TO LAST LONGER, TOO!

MORE FOR YOUR MONEY with a WARREN-KNIGHT TRANSIT-LEVEL



NEW DESIGN
There has never been a Transit-Level like the 38-bF. Offers new usefulness — almost indestructible.

Model 38-bF $320.
Model 39-bF (Without compass) $295.

You've never seen a Transit-Level like the new Warren-Knight. It looks and is operated like a transit, yet it has the exclusive advantage of being adjusted like a Wye level, and costs less than half as much as the average transit. The new design Model 38-bF is so sturdy that maintenance and repair charges will be practically eliminated. Assures a LIFETIME of SERVICE. This expert new design includes such features as a steel center, 24x coated optics, covered leveling screws, and limb verrier reading to one minute.

10 DAY FREE TRIAL
So sure are we of your reception to this magnificent new instrument that we offer it for 10 days trial —No obligation to purchase.

Ask for Bulletin F-40 that lists Full Details.

OUR 52nd YEAR

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Check the Yellow Pages under "Tools-Electric" for the location of the nearest Black & Decker factory service branch or authorized service station.

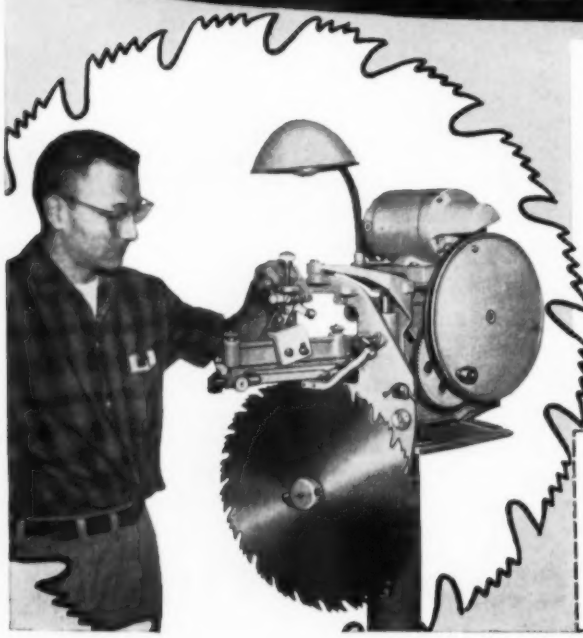
Free tool inspection when requested • Genuine B&D parts used • Factory-trained technicians • Standard B&D Guarantee at completion of recommended repairs • Fast service, reasonable cost, always.

Or write for address of nearest of more than 50 branches and service stations to: THE BLACK & DECKER MFG. CO., Dept. 4204-S Towson 4, Md.

Black & Decker

QUALITY TOOL SERVICE

COMBINATION SAWS can now be *filed automatically* with the New Model 200 FOLEY *Automatic* SAW FILER



This is the FIRST and ONLY machine which will file the so-called "combination" (rip and crosscut) circular saws; also crosscut circular saws, band saws, all types of hand saws.

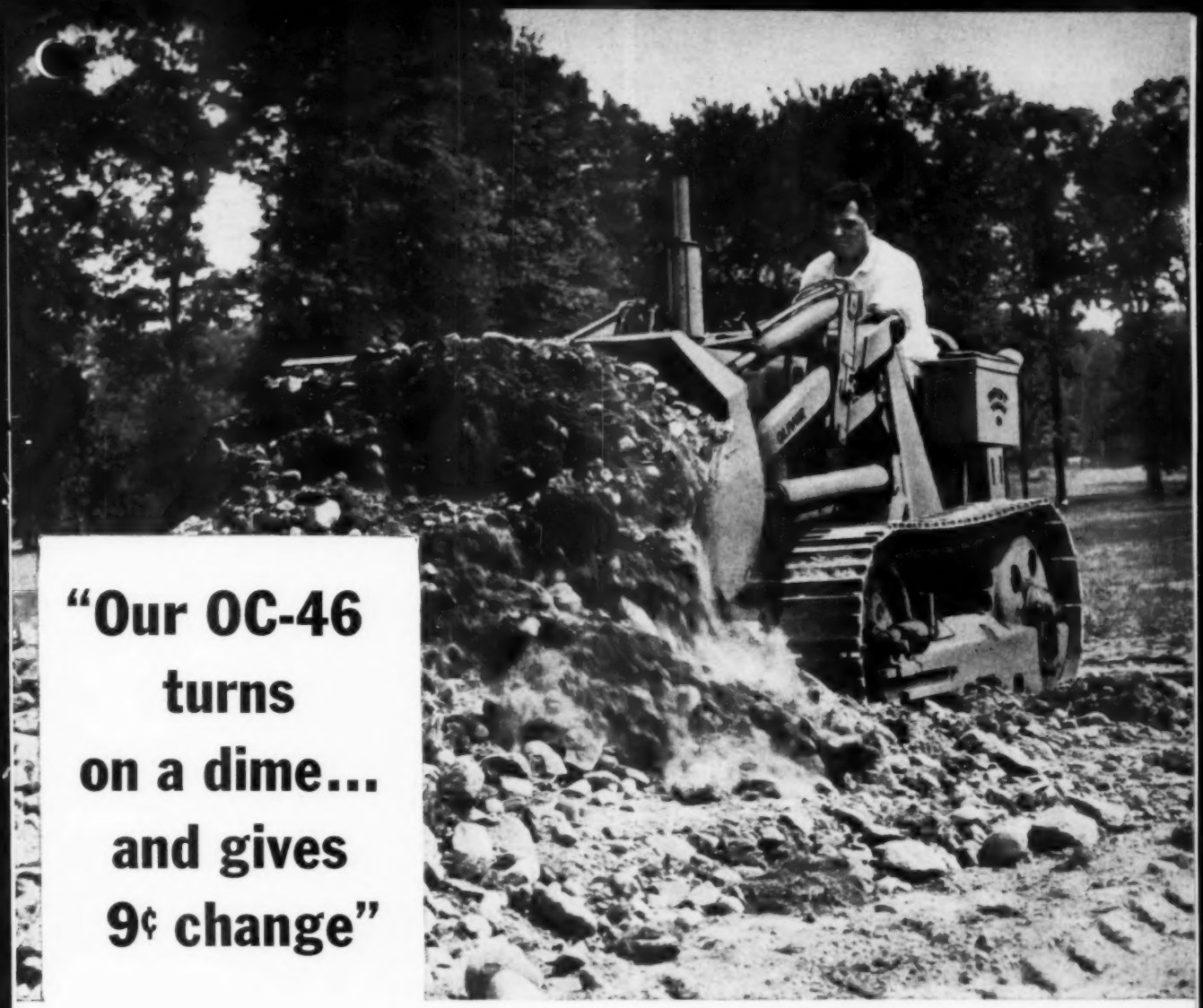
The new model 200 Foley Saw Filer files the first tooth *in each segment* of a combination saw, clear around the saw; then the second tooth in each segment, and so on, until the saw is finished. The exclusive Foley principle of jointing the saw as it is filed, keeps all teeth uniform in size, shape and spacing; keeps circular saws perfectly round, usually doubles saw life.

CONTRACTORS—CARPENTERS—CUSTOM FILERS—Here is the ideal machine for contractors to keep all their power and hand saws in top-notch cutting condition and greatly prolong their life. For the carpenter who wants to make from $3 to $6 an hour in spare time—and for the full-time custom saw filer—the new model 200 Foley Saw Filer turns out perfectly sharpened saws that build repeat business and quickly pay for the Filer. Time payments if desired. Send coupon today—no salesman will call.

FOLEY MFG. CO. 424-0 Foley Bldg. MINNEAPOLIS 18, MINN.

• Please send full information and Time Payment Plan on New Model 200 Foley Automatic Saw Filer.

NAME _____
ADDRESS _____
CITY _____ STATE _____



"Our OC-46 turns on a dime... and gives 9¢ change"

Work-test an Oliver OC-46 loader...see how "Spot-Turn" steering eases all your work!

This Oliver OC-46 works and ranges over hundreds of acres—moving, grading, loading thousands of yards. It's one of six Oliver tractors owned by Baldwin Construction Company, Bloomfield, New Jersey.

Operator Nicholas Psiahas reports on its easy handling and maneuverability: "'Spot-Turn' steering is terrific—the OC-46 is so comfortable to operate. Controls are simple. Our OC-46 turns on a dime...and gives 9¢ change."

Simple operation with low-effort steering is just the start of the OC-46's benefits. This compact, easily transported, ⅝-yd. crawler loader is official champion of its class in *pounds-pull*—meaning greater *work power*. It has the shortest turn radius. A factory-built, *integrated* tractor-loader, the OC-46 has low-profile design with shorter pedestals for greater stability and work safety.

Get all the facts on the OC-46 loader. Choice of 30-plus h.p. gasoline or diesel engine.

LOOK TO OLIVER FOR YOUR BEST BUY IN WHEEL AND CRAWLER TRACTORS

THE OLIVER CORPORATION

Dept. 2232, 400 W. Madison St., Chicago 6, Illinois

Most versatile, all-job crawler you can own
Double the work scope of your OC-46. Add the quick-hitch (only three minutes) Oliver backhoe and handle trenching, excavating and loading jobs of all kinds. Fully hydraulic operation with deep 12'8" digging and high 9'6" loading. Full 180° boom swing. A perfect low-cost digging-loading package for towns, parks, contractors, etc.

Jobs, jobs, jobs—See how valuable the OC-46 can be in your operations. Review its many important features and job advantages in this big, 16-page catalog.

Two of the work-savingest tools you can own!

NEW SKIL RECIPRO SAW

Cuts anything that can be cut by hand—faster, easier and better. Does the work of keyhole, hack and handsaws 5 to 20 times quicker.

Two separate speeds—LOW for fast metal cutting with minimum blade wear, HIGH for wood and compositions.

Off-center blade cuts close to walls and corners—blade reverses in clamp for right or left situations.

Saves blades, too! When one section wears, shoe easily repositions for cutting with unused part of blade.

NEW SKIL RIGHT ANGLE DRILL

Lets you drill freely between joists and studding, in tightest quarters. And with new self-feeding bits you drill large holes—from 1¼" to 2⁹⁄₁₆"—without bearing down on the tool!

Handles any drilling job—Right angle drive unit mounts two ways to give a low speed for boring large holes, or a higher speed for smaller holes. For straight-line drilling, simply remove unit. Comes complete with carrying case and 2⁹⁄₁₆" self-feeding bit.

Ask your Skil distributor to demonstrate these work-saving Skil tools. He's listed under "Tools—Electric" in the Yellow Pages. Or write for full information to Skil Corporation, 5033 Elston Avenue, Chicago 30, Illinois, Dept. AB-40.

SKIL ... and SKILSAW POWER TOOLS

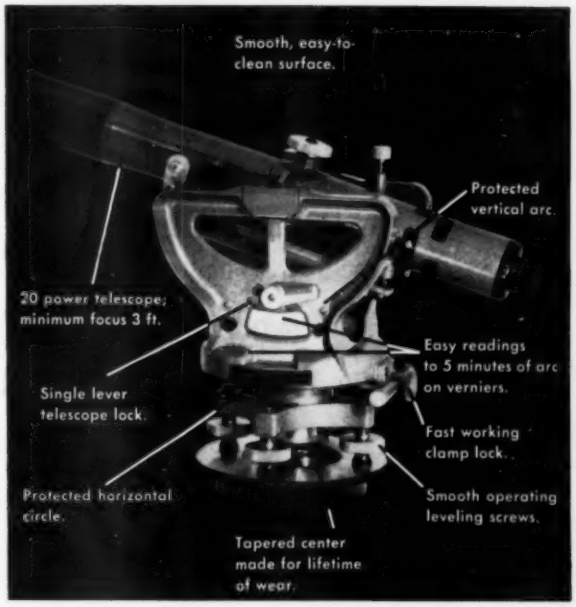
BRAND NAMES DIRECTORY

(Continued from page 386)

TIMBLEND Roddis Plywood Corp
TIMBLEND Roddiscraft Inc
TIME-SAVER Speakman Co
TIMFAST Timber Fasteners Inc
TIM JALOUSIES Regulux Sash & Door
TIN-O-LIN Calbar Paint & Varnish Co
TINY TOT Extension Drawer Support Co
TIPIT Manning Maxwell & Moore Inc
TIP TOP Relton Corp
TITE KOTE Reeves Steel & Mfg Co Div
TITE LITE Truscon Labs Inc
TITE-ON Ruberoid Co
TITEWALL A A Wire Products Co
T M T PLASTERING MACHINE Plastering Development Center
TOASTMASTER McGraw-Edison Co
TOASTMASTER HOT-FOOD SERVER Toastmaster Div McGraw Edison
TOMAHAWK True Temper Corp
TOMB Allied Chemical Corp Barrett Div
TOMMY AXE True Temper Corp
TOOTHPICK Tilley John S Ladders Co
TOP-FLIGHT Mengel Co
TOP FLITE Eagle Rule Mfg Corp
TOP-FLITE HEX Globe Roofing Products
TOPLITE Owens-Illinois
TOPPER A C SWITCHES Hubbell Harvey Incorporated
TOP-TY Woodmack Products Inc
TORIDHEET Toridheet Div Cleveland
TORKMASTER Tork Time Controls Inc
TORRIVENT Trane Co
TOTRUST Wilbur & Williams Co
TOUCHETTE Rodale Mfg Co Inc
TOUCH-O-MATIC Universal Fabricators
TOUCH-PLATE Touch Plate Mfg Corp
TOURNAPULLS LeTourneau-Westinghouse Co
TOURNATRACTOR LeTourneau-Westinghouse Co
TOWELINK Miami Cabinet Div
TOWERMOBILE Mixermobile Mfrs
T-POWER Motorola Communications
TRACTAIR Le Roi Div Westinghouse Air Brake Co
TRACTAIR COMPRESSOR Le Roi Div Westinghouse Air Brake
TRACTOHOE Tractomotive Corp
TRACTO-LIFT Ottawa Steel Div Young
TRACTO-LOADER Tractomotive Corp
TRACTOR DONKEY Hyster Co
TRADE-WIND INTERCOM Trade-Wind Div Robbins & Myers
TRAFFIC-COTE Johnson's Wax
TRAFFIC GARD Dietz R E Co
TRANSCRETE Construction Machinery
TRANSEAL Forrers Div Spray-O-Bond
TRANSFALT Johns-Manville Corp
TRANSFLO Marchant Div Smith-Corona
TRANSITE Johns-Manville Corp
TRANSITONE Johns-Manville Corp
TRANSITOP Johns-Manville Corp
TRANSLOT Cannelton Sewer Pipe Co
TRANSLOT (BLOCK) Texas Vitrified
TRANSMIX Universal Pulleys Co Inc
TRANSPORTER Automatic Transport Co
TRAVERTONE Armstrong Cork Co
TRAV-MAR X-Pando Corp
TRAXCAVATOR Caterpillar Tractor Co
TRAX ROD Bridgeport Brass Co
TREADLITE Congoleum-Nairn Inc
TREASURE TONES Devoe & Raynolds
TREDON Sapolin Paints Inc
TRED-TEX Rockcote Paint Co
TREELIFE St Paul & Tacoma Lumber Co
TREMLUX Tremco Mfg Co
TRENCHLAY General Cable Corp
TRENCHLAY-UF General Cable Corp

(Continued on page 397)

INVEST IN THE BEST



SPECIFY A K+E

BUILDERS' TRANSIT LEVEL

Buying a transit level is an investment in your business. And buying a K&E Transit Level is the surest way to get maximum return on your investment. So simple to use yet with built-in precision that will last over years of rugged use, this sturdy instrument will help you lower labor costs, increase efficiency and worker output. Objects can be seen clearly even in poor, inside-building light . . . and you can get sharp focus on objects as close as three feet.

Price: (NP 5155) including new open-dome BOLTARON® carrying case $208.00*

For leveling and reading horizontal angles only, ask for the K&E Builders' Level. Except that the telescope doesn't tilt, it gives you the same fine qualities and service as the K&E Builders' Transit Level.

Price: (NP 5153) including new open-dome BOLTARON® carrying case $148.00*
***without tripod**

For further details see your local K&E representative or write to Keuffel & Esser Co., Hoboken, New Jersey.

1810

K+E

KEUFFEL & ESSER CO.
NEW YORK • HOBOKEN, N. J.
Detroit • Chicago • St. Louis • Denver • Dallas • San Francisco • Los Angeles • Seattle • Montreal

BUILT FOR THE TOUGH JOBS...

Porter-Cable PORTABLE SAWS

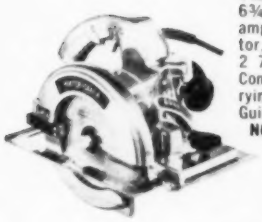
Take a close look at these *professional* saws and you'll see why they can handle the toughest jobs, day-after-day, without a whimper. Contractors and builders choose Porter-Cable saws for every type of cutting operation—from light trim work to hour-after-hour heavy construction projects. Check such quality features as... ball-bearings throughout, precision depth and bevel adjustment, blower to clear line of cut, safety kickproof clutch, exclusive gear lubricator, extra powerful motor.

See the most complete line of Builders' Saws at your Porter-Cable dealer or write for folder.

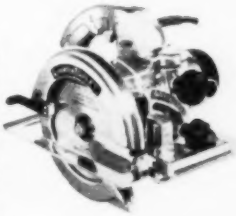
PORTER-CABLE MACHINE COMPANY

6014 Marcellus Street, Syracuse, N. Y.

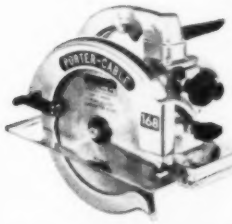
PORTER-CABLE MONEY-SAVING SPECIAL!* ON HEAVY-DUTY SAW KITS



Save $13 on Model 146A Saw Kit. With 6¾" dia. blade, 10 amp Universal motor, cutting depth 2 7/32" at 90°. Complete with Carrying Case and Rip Guide. Reg. $89.95 **NOW ONLY $76.95**



Save $13 on Model 115A Saw Kit. With 7" dia. blade, 12 amp Universal motor, cutting depth 2 5/16" at 90°. Complete with Carrying Case and Rip Guide. Reg. $99.95 **NOW ONLY $86.95**



Save $15 on Model 168K Saw Kit. With 8¼" dia. blade, 13 amp Universal motor, cutting depth 2⅞" at 90°. Complete with Carrying Case and Rip Guide. Reg. $114.95 **NOW ONLY $99.95**

***Limited Offer Only Until July 30, 1960.** Don't be disappointed—take advantage of this BIG Special and SAVE. Ask your Porter-Cable Dealer or write for folder. Porter-Cable Machine Co., 6014 Marcellus Street, Syracuse 4, N. Y.

Porter-Cable
Quality Power Products

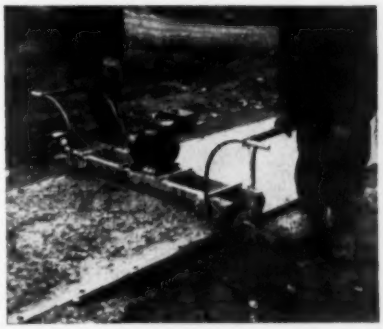
BRAND NAMES DIRECTORY

(Continued from page 395)

TRENDOR Farley & Loetscher Mfg Co
TRIADRY Triangle Conduit & Cable Co
TRIBATCH Koehring Co
TRI-BOND Mastro Plastics Corp
TRI-COATER PLASTERING MACHINE Plastering Development Center Inc
TRICON Triangle Conduit & Cable Co Inc
TRIEX Triangle Conduit & Cable Co Inc
TRILINE Calder Mfg Co
TRIM-BOY Coleman Co Inc
TUBELOX Patent Scaffolding Co
TUB-O-ROD Mirro Chrome Co Inc
TUCKAWAY DRYER United Metal Cabinet Corporation
TUDUCO Tucker Duck & Rubber Co
TUFBAK Behr-Manning Co
TUFCOR Granco Steel Prods Co
TUFCOR Cortland Grinding Wheels Corp
TUFDENSE Tufcrete Co Inc
TUFCRETE LIQUITILE Tufcrete Co Inc
TUFCRETE RESURFACER Tufcrete Co
TUFCRETE TUFDEK Tufcrete Co Inc
TUFF-BOND Moore Goodloe E Inc
TUFF-CHAMP Ludlow Papers Inc
TUFFIE Eveready Briksaw Co
TUF-FLEX Millers Falls Co
TUF-FLEX Biddle Co
TUFFLEX Servicised Prods Corp
TUF-FLEX DOORS Libbey-Owens-Ford
TUF-FLEX PLATE GLASS Libbey-Owens-Ford Glass Company
TUFF-TRED Moore Goodloe E Inc
TUFF-WELD Moore Goodloe E Inc
TUFF-WOOD Wood Conversion Co
TUFSEAL Tufcrete Co Inc
TUFTAB Certain-Teed Sales Corp
TUFTITE Tufcrete Co Inc
TUFTOP Tufcrete Co Inc
TUGIT Manning Maxwell & Moore Inc
TUNNELITE Thomason Plywood Corp
TURBINE TYPE Smith T L Co
TURF BOY Wood Shovel & Tool Co
TURN-A-BORE Turn-A-Bore Equip
TURN-A-SHELF Amerock Corporation
TURNER TORCHES Turner Corp
TURNETTE Miami Cabinet Div
TURNLOK Pass & Seymour Inc
TURNLOX Benjamin Electric Co
TUSKY Tubular Structures Corp
TWIN General Electric Co
TWIN ANCHOR Manhattan Terrazzo
TWINBATCH Koehring Co
TWIN LeTourneau-Westinghouse Co
TWIN CUSHION Macklanburg-Duncan
TWIN DISH Gyro Brass Mfg Corp
TWINDOW Pittsburgh Plate Glass Co
UNIVERSAL Certain-Teed Sales Corp
UNIVERSAL Buschman E W Co Inc
UNIVERSAL Cribben & Sexton Co
UNIVERSAL Johns-Manville Corp
UNIVERSAL Newark Ladder
UNIVERSAL CEMENT Universal Atlas
UNIVERSAL LIGHTING DUCT Bulldog Electric Prods Div I-T-E Circuit Brkr
UNIVERSAL ROTO Universal Fabricators
UNIWALL Natco Corp
UNIWELD Permagile Corp of America
UNXLD Yawkey Bissell
UPSON KUVER-KRAK Upson Co
UPSON STRIATED Upson Co
UPSON STRONG-BILT Upson Co
U/R Universal-Rundle Corp
USCOLITE United States Rubber Co
U S G GYPSUM SHEATHING United States Gypsum Company
USM U S Mineral Wool Co

(Continued on page 402)

HOW SCREEDING SIDEWALKS SAVES 20 PER CENT IN PRODUCTION TIME



To cut production time in sidewalk construction, and eliminate bull floating, many contractors have begun to use the twin beam vibrating screed, manufactured by STOW. Through use of this screed, ordinary vibrators can be eliminated, and stiffer concrete can be poured since the STOW screed vibrates and strikes off at the same time. The twin beams actually give the effect of making two passes at once, result in really smooth surface.

Amplitude delivered by the screed is adjustable, can be varied so that the screed actually walks itself along the side forms, while operators simply guide it. Contractors report that the unit can keep up with the ready mix truck as it dispenses the concrete along the length of the sidewalk.

For additional information on STOW screeds, concrete grinders, tampers, roto-trowels, vibrators, contact your STOW distributor, or send in the coupon below.

STOW MANUFACTURING CO.
Dept. G-4, 142 Shear St.
Binghamton, N. Y.

Please send me your pamphlet titled "The Advantages and Use of the Vibrating Screed" and Catalog 580.

NAME .....

ADDRESS .....

COMPANY .....

CITY ..... STATE .....

Loaders and backhoes mount separately or in combination. Backhoe can be equipped with regular, moles paw, bell hole, or street repair bucket.

Power up to fit

Supply 10 or more masons with fork lift-equipped International 340 or 460 Utility. Lifts 4,000 lb to 15 ft; 2,500 lb to the third tier of scaffolding with 21½-foot reach.

Fork Lift: Harlo

Keep both ends of your IH tractor profitably busy with a front-end loader and an International Danuser Terra-Scoop, blade, or Scarifier-Scraper (shown).

The husky, four-cylinder International T-340 develops 45 hp, delivers more than 6,400 lb drawbar pull, gives top fuel economy in its power class.

your jobs and your budget...

What a difference IH built-in brawn makes!

The first time you watch an International® tractor at work, you'll see a big difference in the traction, the capacity, and the working speed, compared with that of the lighter weight rigs you've been used to. That's because these sturdy IH tractors have greater *built-in* weight. The result is an improved *power-weight* ratio for greater traction, as well as *stamina*, to keep you on the job under the pressure of tight schedules!

Whatever the size of your jobs and your budget, you'll find an International sized, priced, and powered to match. With six sizes of wheel tractors from which to select, you don't have to pay for a bigger unit than you need, nor slow down your work with an under-powered rig.

INTERNATIONAL waqner

Unit-Engineered LOADERS AND BACKHOES

Loader Model	No. 45	No.120*	No.140*	No.150*	No.265* self-leveling	No. 365 self-leveling	No. 465 self-leveling
For International Tractor Model No.	Cub-Lo-Boy	240	340	B-275	460	560	T-340
Rated full lift capacity, lb	450	1,300	1,600	1,600	2,500	3,000	3,500
Breakaway capacity	1,000	2,800	3,200	3,600	3,600	4,000	6,500
Dumping height	6 ft, 3 in.	8 ft	8 ft	8 ft, 2 in.	8 ft	8 ft	8 ft, 4 in.
Maximum lift height, top of bucket	9 ft, 9 in.	11 ft, 8 in.	11 ft, 8 in.	12 ft, 8½-in.	12 ft, 4 in.	12 ft	13 ft

*Side-Dump bucket available

Backhoe model	For International tractor No.	Digging depth, ft	Range of bucket size
No. 65 No. 65T	240, 340, 460, B-275 T-340 Crawler	10	2—5½ cu ft
No. 95	340, 460, 560	13¼	2—5½ cu ft

KEY INTERNATIONAL TRACTOR SPECIFICATIONS

Tractor model	Max. flywheel horse power*	No. of cyl	Max. drawbar horse-power*	LP-Gas engine	Diesel engine	Base working weight, lb††	Speeds forward	Hydraulic pump capacity, gpm	Power Steering
Cub Lo-Boy	13.4	4	10.1			1,895	3	2.8	
240	38.5	4	28.9			3,637	4	9.3	Yes
B-275 (Diesel)	35	4	29.2		Yes	3,875	8	6.5	
340	45.0	4	32.4			4,365	5 or 10†	9.3, 12, or 17	Yes
T-340 Crawler	45.0	4	31.0			6,695	5 or 10†	9.3, 12, or 17	
460	61.0	6	48.1	Yes	Yes	5,015	5 or 10†	12 or 17	Yes
560	72.5	6	59.4	Yes	Yes	6,563	5 or 10†	12 or 17	Yes
660 (Diesel)	95.0	6	74.3	Yes	Yes	9,875	5 or 10†	12 or 17	Yes

*At standard sea level conditions.
†With optional Torque-Amplifier drive.
††With 175-lb operator . . . no wheel weights or fluid in tires.

New International B-275 Diesel tractor saves up to 50 per cent on fuel while delivering 29 drawbar hp. Exclusive differential lock pulls you through soggy footing.

Ask your IH Dealer to prove International tractor performance with an on-the-job demonstration. For dealer's name and full-line catalog, write International Harvester Company, Dept. AB-4, P. O. Box 7333, Chicago 80, Illinois.

INTERNATIONAL HARVESTER

International Harvester Products *pay for themselves in use* —Farm Tractors and Equipment . . . Twine . . . Industrial Tractors and Equipment . . . Motor Trucks . . . Construction Equipment—General Office, Chicago 1, Illinois

Onan Electric Plants are
when this independent

Big, beefy bearings for longer life. (Lower left) double-size Onan bearings vs. small bearings (right) used in many other makes. Larger bearing surface reduces wear, stretches time between overhauls. Onan builds up to performance—never down-to-a-price.

The engine that ran equivalent to 487,888 automobile miles. Here's endurance no auto could begin to match. Onan engine #1068 was operated for 12,197 hours. It was stop-started 100 times. At test's end #1068 and generator were delivering their stated output.

Performance Certified only tester says O.K.

His job is to provide a double-check on Onan's own tests and testing methods

The man at the left is an expert from an independent testing laboratory. On the job, he believes nothing except what his trained eyes, ears and scientific testing instruments tell him.

He, and others like him, pay frequent surprise visits to Onan factories. He can pull any Onan plant off the test line. Put it through its paces. Recheck the checks Onan engineers and inspectors have already made. He has authority to pull a whole series of plants off the line if he finds one fault. He does all this even though every Onan plant is tested for hours by Onan personnel *before it is shipped.*

Onan takes these special precautions to make *doubly* sure that you get all that you pay for, and more, when you own a Performance Certified Onan. For more details—and an analysis of your primary and stand-by power needs—see the Onan distributor nearest you. He's listed in the telephone classified section in all major cities. Or write direct.

ONLY ONAN GIVES YOU THIS GUARANTEE

Onan®

World's Leading Builder of Electric Power Plants

D. W. ONAN & SONS INC., 2544 UNIVERSITY AVE. S.E., MINNEAPOLIS 14, MINN.

(Continued from page 397)

U S S AMERICAN American Steel
UTILAIRE Burnham Corp
UTILATUB Mustee E L & Sons Inc
UTIL-A-VEYOR Mulkey Sam Co
UTILIDOR Wagner Mfg Co
UTILITRUC Clark Equipment Co
UTILITY Chesler J & Sons Inc
U TUBE Handley-Brown Co
VAC-KING American Floor Machine Co
VAC-KLEEN Atlas Floor Surfacing Machinery Corporation
VAC-MOR Atlas Floor Surfacing Mach
VAG-O-JECT Smith & Loveless Inc
VACOL Anderson V E Mfg Co Inc
VACU-BREAK SAFETY SWITCH Bulldog Elect Prods Div I-T-E Cir Break
VACU-FLO H-P Products Inc
VALIANT WINDOWS Alsco Inc
VALUAIRE Auer Register Co
VALVENT Swartwout Co
VELON Firestone Plastics Co
VELTONE Congoleum-Nairn Inc
VEL-VE-LUX Elliott Paint & Varnish Co
VELVET McMinnville Mfg Co
VELVETEX Mosaic Tile Co
VELVETONE Dooroscope Co
VELVETONE Mosaic Tile Co
VELVETONE Globe Paint Works Inc
VELVETRED Allied Compositions Co Inc
VENETIAN MEDICINE CABINETS Rieter Woodwork Specialty Company
VENI-FLEX Aeroshade Co
VENI-FLEX Consolidated General Prod
VENI-SHADE Consolidated General Prod
VENT-A-BATH Emerson-Pryne Co
VENTAMATIC Angel Co
VENTDOME Wasco Products Inc
VEN-TROL-HINGES Grand Rapids Hdwe
VENT-VIEW Wisco Inc
VENUS Shower Door Co of America
VERDORA Pratt & Lambert Inc
VERI-FAT Ash Grove Lime & Portland Cement
VERI NEET Northern Industries Inc
VERMICULITE Graybeal C R & Sons
VERMICU-PUMP JR Karelius Albert
VERNCO (Fans) Vernco Corp
VERNOIS Mt Vernon Furnace & Mfg Co
VERSABASE Weyerhaeuser Co Silvatek
VERSABORD Weyerhaeuser Co Silvatek Division
VERSA-TILE LAVATORY Universal-Rundle Corporation
VERSA-VISE Will-Burt Co
VERTIFLOW Young Radiator Co
VERTI-GROOVE Celotex Corp
VERTISEAL Servicised Prods Corp
VERTIVENT Young Radiator Co
VESTA Athens Stove Works Inc
VIBRAPAC Besser Co
VIBRA-STOP Wilson Grant Inc
VIBRECHORD Edwards Co Inc
VIBRO-GRAVER Burgess Vibrocrafters
VIBRO-SPRAYER Burgess Vibrocrafters
VIBRO-TOOL Burgess Vibrocrafters Inc
VIC-EASY Victaulic Co of America
VICTOR LADDER Rich Howard B Inc
VICTOR SUN CONTROL Victor Tool
VIKING Forsberg Mfg Co
VIKING Lehman Co
VIKING STONE General Concrete Prods
VIKING (Windows) Aluminum Industries
VIKON Vikon Tile Corp
VINA-LUX Azrock Floor Products
VINALUME New York Wire Cloth Co
VINYLBEST Congoleum-Nairn Inc
VINYLCONGO WALL Congoleum-Nairn
VINYL GLO Seal Rite Caulking Co
VINYL KOTE Seal Rite Caulking Co
VISADOR Visador Co
VISIONAIRE Silvray Lighting Inc
VISION-VENT Republic Steel Corp
VISIPAK Griffin Mfg Co
VISQUEEN Visking Co
VISTARAMA Wabash Screen Door Co
VISTA-VUE Mirro Chrome Co Inc
VITA-LUX Vita-Var Corp
VITE O'Brien Corp
VITRALITE Pratt & Lambert Inc
VITRAMIC Ruberoid Co
VITRE-STEEL Weis Henry Mfg Co
VITRIFLEX Servicised Prods Corp
VITRINEER (3/8") Robinson Brick & Tile
VITRITILE Natco Corp
VITROCK Davidson Enamel Products Inc
VIT-ROCK Coleman Co Inc
VITROLENE Minnesota Paints Inc
VITROLINER Condensation Engineering
VITROLUX Libbey-Owens-Ford Glass Co

(Continued on page 406)

More finishing on the job

Delta Saw-Jointer Combination —available in 3 models.

Cut to fit, plane to finish by just moving a step—you'll save money on trim and finish work with this rugged, compact unit. A Deluxe 4" precision jointer and Delta 9" Tilting Arbor Circular Saw mounted on a single stand, powered by a single motor give you capacity and performance you can't buy at anywhere near the same low price!

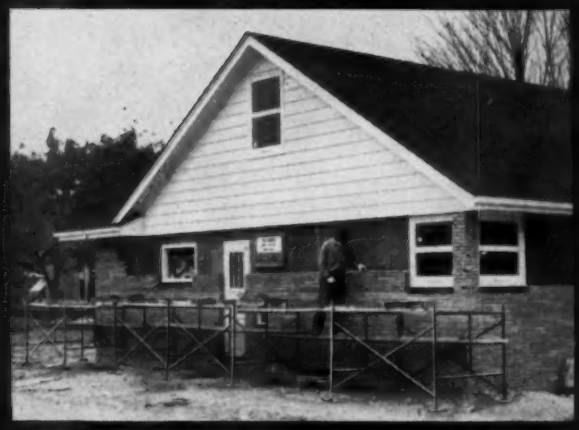
Let your Delta Distributor show you how this machine (and other Delta woodworking tools) can put more profit in your pocket. He's listed under "TOOLS" in the Yellow Pages. Write for FREE literature: Rockwell Manufacturing Co., Delta Power Tool Division, 646D N. Lexington Ave., Pittsburgh 8, Pa.

DELTA INDUSTRIAL TOOLS
another fine product by
ROCKWELL

SAFWAY

LOW-COST 4 BY 4 STEEL SCAFFOLDING

fits all your needs for residential, commercial and light industrial construction



4-BY-4 SCAFFOLD ADVANTAGES

- Used safely for work to 40 ft. high.
- Waist-level material platforms speed work.
- 4-ft. and 6-ft. high frames have built-in climbing ladder.
- Accessories to fit every job requirement.
- Parts are easy to handle, erect, transport and store.

Sold and rented everywhere

SAFWAY

SAFWAY STEEL PRODUCTS, INC., 6228 W. STATE ST., MILWAUKEE 13, WIS.

WRITE FOR FREE BULLETIN 64E

WINCO®

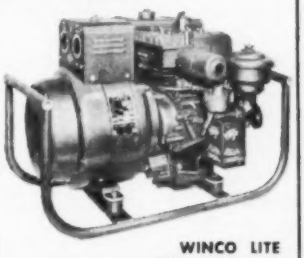
PORTABLE ELECTRIC POWER

With Exclusive

AUTOMATIC CONSERV-er® Idling Control

SAVES up to 60% in FUEL COST

- **FULL POWER** at either 115 or 230V from one outlet.
- **LIGHTER WEIGHT**
- **SAVE TIME AND LABOR**
- **PACKAGED POWER UNITS** from 1500 to 10,000 Watts.



WINCO LITE
2500 Watts AC
Model 205B14352D-FM10C
with Exclusive FULL POWER Feature

WRITE FOR COMPLETE SPECIFICATIONS AND PRICES
DEPT. AB 46

WINCHARGER CORPORATION
SIOUX CITY, IOWA
Subsidiary of Zenith Radio Corporation

BOSTROM

LEVELING INSTRUMENTS

No. 5 BOSTROM Convertible Level
Detachable Compass when desired

Are **simple** to operate, **accurate** as instruments costing twice their price, **durable** to withstand rugged use and are **complete** with Tripod, Rod, Target, Dust Cap and Sun Shade.

Thousands of contractors and builders are satisfied users of **Bostrom** Levels as they have found them to be the most **dependable** and cheapest instruments to operate.

No. 4 BOSTROM Contractors' Level

Bostrom Levels are carried in stock by distributors from coast to coast. Mail the coupon below for complete literature, prices and name of our distributor near you.

BOSTROM-BRADY MFG. CO.
Stonewall and Bailey Streets, S.W.
Atlanta 3, Georgia

BOSTROM-BRADY MFG. CO. Dept. AB-60
Stonewall and Bailey Streets, S.W., Atlanta 3, Ga.
Please send catalog page on Bostrom Levels and name of your distributor near me.

Name _____
Address _____
City _____ *Zone* _____ *State* _____

"We get profitable renovation jobs through the Yellow Pages"

says B. A. Pollok, Jr., Pres., Norport Construction Co., Inc., Norfolk, Va.

"Our Yellow Pages advertising effectively reaches people in our area who want renovation work done. And we *know* it's paying off!

"Just at random, I can think of two commercial jobs, one for $7500 and the other $3500, that recently came to us as a direct result of our Yellow Pages advertising. And we just finished three different dormer jobs—all of which came in through the Yellow Pages, too."

Yes, Yellow Pages advertising *does* pay off. That's because people turn to the Yellow Pages when they want renovating jobs done. To get more inquiries and jobs, be sure you are telling prospects *what* you specialize in and *where* you are located. Build AWHERENESS of your business by advertising in the Yellow Pages. Contact the Yellow Pages man at your Bell telephone business office to help you plan an effective Yellow Pages campaign in *your* selling area.

NORPORT CONSTRUCTION has two large display ads in the Norfolk Directory. One appears under *Home Improvements* (shown reduced) and one under *Contractors-Building*.

Find Us Fast In The Yellow Pages

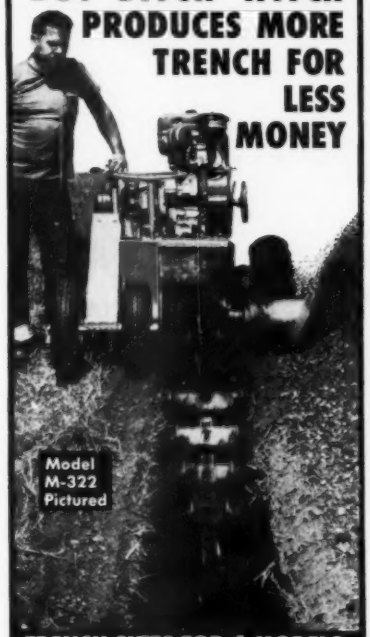
Display this sales-building emblem wherever your prospects can see it. The Yellow Pages representative will gladly supply as many as you need.

"More or Less" THE BEST

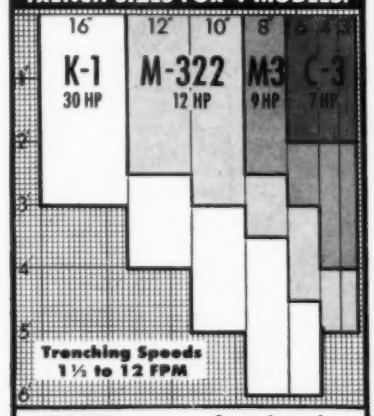
DITCH WITCH TRENCHER

Other trenchers cost "More or Less"
Other trenchers dig "More or Less"

BUT DITCH WITCH PRODUCES MORE TRENCH FOR LESS MONEY



TRENCH SIZES FOR 4 MODELS:

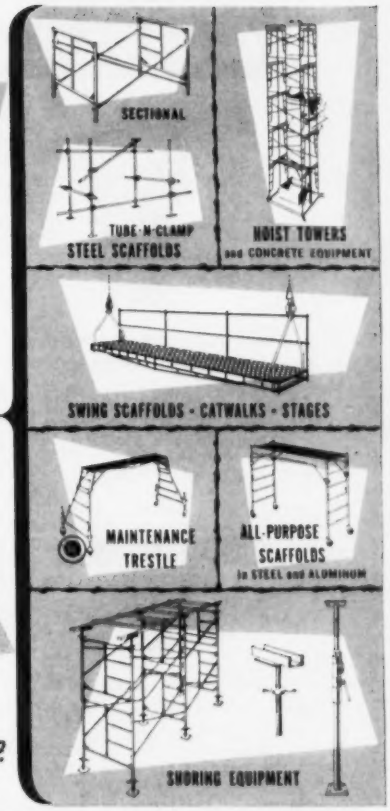


USE FOR:
- Utility Services
- Gathering Lines
- Signal Lines
- Sewer Laterals
- Road Crossings
- Sprinklers
- Footings, etc.

CHARLES Machine Works, Inc.
631 B Street • Perry, Okla.

To Locate Distributor, Look Under "Contractors Equipment" in 1960 Metropolitan Telephone Directory Yellow Pages for Ditch Witch Trademark; or Call Collect FE 6-4404, Perry, Okla.

6 WAYS TO SAVE with BIL-JAX



BIL-JAX

Whatever your off-the-floor job, there's a Bil-Jax scaffold designed to save you **most** in time and money. What's more, your men work in safety, at peak efficiency. Choose now the exact equipment best suited to **you**. Sales and rental outlets in principal cities.

Write for catalog.

BIL-JAX, INC. *Archbold, O.*

RENTAL AND SALES OUTLETS THROUGHOUT U.S. AND CANADA

SYMONS Steel Stake

Can Be Reused Indefinitely

Drives easily into hard earth. Can be used for practically any type of stake work. This popular item is available in 12", 18", 24", 30", 36" and 42" sizes.

FREE!

Stake Puller with order of 100

Sizes can be mixed

Prices and items shown are net F.O.B. Chicago, Illinois factory and subject to change without notice.

TERMS: (check one) Check enclosed____; If satisfactory mercantile rating or reference is furnished, net 30 days____, C.O.D____

Symons CLAMP AND MFG. CO.

4261 Diversey Avenue — Dept. DO — Chicago 39, Illinois

Please ship the following Steel Stakes:

Quantity	Size	Price Each	Total Price	Quantity	Size	Price Each	Total Price
	12"	$1.00			30"	$1.30	
	18"	1.10			36"	1.45	
	24"	1.20			42"	1.60	

PLEASE PRINT — Prices slightly lower in California

Firm Name_____

Address_____

City_____ Zone_____ State_____

By_____

SIGNATURE

--there's a BERGER instrument for every builder...every budget

MASTER BUILDER CONVERTIBLE TRANSIT-LEVEL – Model 320

22-power telescope; coated optics. 3-ft. short focus. Horizontal circle and vertical arc read to 5 min. Sliding bar-type level lock. $229.50*

SPEED-A-LINER BUILDERS TRANSIT-LEVEL – Model 200

New brilliant optical system. Horizontal circle; vertical arc. Plate and telescope fine motion controls. Built-in sunshade. $112.50*

HEAVY DUTY 12" DUMPY LEVEL Model 150

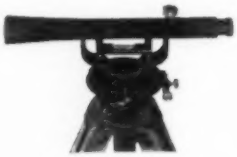
24-power coated optics. Dust protected horizontal circle and vernier reads to 5 min. Rugged, accurate center construction. $174.95*

SERVICE TRANSIT-LEVEL Model 143

Reinforced one-piece yoke frame. 10-power. Fine motion controls on horizontal circle and telescope. Telescope and plate vial. $99.95*

SPEED-A-LINER DUMPY LEVEL Model 190

Internal focusing 11½" telescope. Circle reads in degrees. Built-in sunshade. 4-screw fully enclosed, dust-proof leveling head. $69.95*



SERVICE DUMPY LEVEL Model 110

12-power. Horizontal circle reads in degrees. Micrometer tangent screw and clamp for "on target" pointing. Understang level vial. $59.95*

*Prices include stiff leg tripod, plumb bob and case—F.O.B. Factory

Other Berger low-cost, easy-to-use instruments include:
DUPLEX Tilting Level $79.95* SIGHT "n" SURFACE Pocket Level $3.85

MAIL COUPON FOR DETAILS

C. L. BERGER & SONS, INC., 47 Williams St., Boston 19, Mass.
Send me literature on

Convertible ☐ 12" Dumpy Level ☐ SPEED-A-LINER Transit-Level ☐
SPEED-A-LINER Dumpy Level ☐ Service Transit-Level ☐
Service Dumpy Level ☐ Duplex Tilting Level ☐ Pocket Level ☐

Name _____
(Please print)
Address _____
City _____ Zone _____ State _____

THE BEST IN SIGHT IS BERGER
Engineering and Surveying Instruments...Since 1871

BRAND NAMES DIRECTORY

(Continued from page 402)

V-LINE Millers Falls Co
VOGUE-LITES Swivelier Co Inc
VOLTMASTER Pioneer Gen E Motor
VONNEGUT Grinding & Polishing Machine Corp
VOSS Pacific Pre-Cast Products Inc
V-PLANK United States Plywood Corp
V-PLY PLYWOOD Midwest Plywood Co
VU-ALL Cable Electric Products Inc
VUDOR Hough Mfg Corp
VULCATEX Horn A C Companies
VUL CO-ETT Vulcan Metal Prods Inc
VULCO STORM DURA DOOR Vulcan Metal Products Incorporated
VYN-GARD O'Brien Corp
WACO TRANSWALL Waco Transwall Folding Partition Div Waco Mfg Co
WAKCO Warren-Knight Co
WAKE FIELD 20 Wakefield Co
WAL-BOARD HAMMER Wallboard Tool
WALCREST Stamford Wallpaper Co Inc
WALCREST WAL-PASTE Stamford Wallpaper Co Incorporated
WAL-DOR Closures Sales Corp
WAL-DOR Clopay Corp
WALDORF Waldorf Heater Co
WEAREVER Mastic Tile Div Ruberoid Co
WEAR-KOTE Camp Co Inc
WEATHERBAN Minnesota Mining & Mfg
WEATHER-BAR Allied Chemical Corp
WEATHER-BLOC Weather-Bloc Co Inc
WEATHER-KING Barber Colman Co
WEATHERLOK Johns-Manville Corp
WEATHER-LOK Western Pine Mfg Co
WEATHERMAN Tamms Industries Co
WEATHER-SELECTOR Typhoon Air Conditioning Co
WEATHER-TEX Bird & Son Inc
WEATHER-TITE Ives H B Co
WEATHERTITE Johns-Manville Corp
WEATHERWISE Barkow Aug G Mfg Co
WEBCOM Weber Showcase & Fixture Co
WEBERWALL Weber Showcase & Fix
WEB-PLY Weber Veneer & Plywood Co
WEDGELOCK Cannelton Sewer Pipe Co
WEDGE LOCK Robinson Clay Product
WEDGE-LOCK Logan Clay Prods Co
WEDGE-LOCK (Pipe) Pomona Terra-Cotta Company
WEDGE TIGHT Calder Mfg Co
WEDGWOOD Wedgwood-Holly Appl Co
WEDGWOOD HOLLY Wedgwood-Holly
WEIR-MEYER Meyer Furnace Co
WEISART Weis Henry Mfg Co
WEISTEEL Weis Henry Mfg Co
WEISWAY Weis Henry Mfg Co
WELD-CRETE Larsen Products Corp
WELDED FENCE Gilbert & Bennett Mfg
WELDMASTER Lewis-Shepard Products
WELDTEX United States Plywood Corp
WELD-TITE PRIMER Minnesota Paints
WELDWOOD U S Plywood Corp
WELDWOOD CONTACT CEMENT US Plywood Corporation
WELDWOOD PLASTIC RESIN GLUE United States Plywood Corporation
WELDWOOD WOOD-TRIM U S Plywood
WELTRUS Republic Steel Corp Truscon
WESCO Northwest Foundry & Furnace
WESGLAS Wessels Co
WESLOCK Western Lock Mfg Co
WESTERN Tuck-Aire Furnace Co
WESTERN (Ladder) Rich Howard B Inc
WESTERN-HOLLY Wedgwood-Holly App
WESTFIR Hines Edward Lumber Co
WESTON Round David & Son Inc
WEST WIND West Wind Corp

(Continued on page 407)

(Continued from page 406)

WETHERMATIC COOLING Williamson Company
WEVELITE Insulite Div
WEYBASE Weyerhaeuser Co Silvatek Div
WEY FAIR Weyerhaeuser Co Silvatek
WEYLITE Weyerhaeuser Co Silvatek Div
WEYTEX Weyerhaeuser Co Silvatek Div
WEYTONE Weyerhaeuser Co Silvatek Div
WHALE Forsberg Mfg Co
WHEELERS Minneapolis-Moline Co
WHEEL-EZY Rapids-Standard Co Inc
WHEELOADERS Minneapolis-Moline Co
WHIRLERS Clyde Iron Works Inc
WHIRLETTES Clyde Iron Works Inc
WHIRLEYS Clyde Iron Works Inc
WHIRLWIND Toro Mfg Co
WHISPER QUIET Rybolt Heater Co
WHITCO Whitney Vincent Co
WHITE-CLAD Lufkin Rule Co
WHITE LATEX SUREMASTIC Camp Co
WHITE ROSE York Wall Paper Co
WHITE-TAPES Evans Rule Co
WHITE TOP Johns-Manville Corp
WHITE 2000 SERIES White Motor Co
WHITE 3000 SERIES White Motor Co
WHITE 5000 SERIES White Motor Co
WHIZ SAWS Forsberg Mfg Co
WILWEAR Turner & Seymour Mfg Co
WINCO Wincharger Corp
WINCROFT Stove Works Inc
WINDALUME Windalume Corp
WINDLOCKS Globe Roofing Prods Co Inc
WINDMASTER Acme Eng & Mfg Corp
WINDMASTER Carey Philip Mfg Co
WINDMASTER DRAFT CONTROLS Lima Register Company
WINDO-GRILLE Tennessee Fabricating
WIND-O-ROBE Rockwell of Randolph
WINDO-TITE Ludman Corp
WINDOWALLS Andersen Corp
WIND SEAL Bird & Son Inc
WINDSOR Miraplas Tile Co
WIND-WAY Stewart S J Electric
WING-DING Diamond Expansion Bolt
WINGFLEX Dennis W J & Co
WINGFOOT Goodyear Tire & Rubber Co
WINN-MAID Nevamar Carefree Kitchens
WINSLOW Warren-Knight Co
WINSULITE Winsulite Mfg Co
WINTER WEATHERMAKER Carrier Corp
WINTITE Amerock Corporation
WIREDUCT Wiremold Co
WIREMOLD Wiremold Co
WISCONSIN KNIGHT Wisconsin Door Co
WISSCO Colorado Fuel & Iron Corp
WOOD-LOK Structural Products
WOODMASTER New Castle Products Inc
WOOD-MODE Wood Metal Industries
WOOD-NU STAIN Minnesota Paints Inc
WOODSLASHER True Temper Corp
WOODSULITE Certain-Teed Sales Corp
WOODTAPE Elliott Bay Mill Co
WOODTEX Certain-Teed Sales Corp
WOODTONE Protective Products Co
WOODTOX Wood Treating Chemicals Co
X-PANDOTITE X-Pando Corp
XTRA CUT Eveready Briksaw Co
XTRU-LITE Mayes Bros Tool Mfg Co
XXL R Cleveland Heater Co
YANKEE Stanley Tools
YANKRAFT Rayco Products Inc
YEAR-ROUND HOME WEATHER-MAKER Carrier Corporation
YELLOW END Saint Paul Corrugating Co
YODER Yoder Manufacturing Co
YOLOY Youngstown Sheet & Tube Co
YORK Hoover Bathroom Accessories
YORKBEST Heilig Bros Co
YORKSHIRE York Wall Paper Co
YORKTOWNE CLASSIC Colonial Prods
YULE LOG Strait & Richards Inc
ZACK-O-MIX Concrete Weld Co
Z-CRETE Zonolite Co
ZEEN-X United States Gypsum Co
ZEPHAIR Hunter Div—Robbins & Myers
ZEPHYR Flat Metal Mfg Co
ZEPHYRLITE TROWELS Nicholls Mfg
ZEPHYR TYPE SHAKES Creo-Dipt Co
ZEPHYR WEIGHT Wood Shovel & Tool
ZERO-LASTIC Servicised Prods Corp
ZEROPAK McQuay Inc
ZETLAN Wayne Chemical Prods Co
ZINCLAD Maze W H Co
ZIPSET Standard Register Co
ZONALARM Edwards Co Inc
ZONE-A-MATIC Edwards Engineering
ZONATILE Zonolite Co
ZONING WEATHERMAKER Carrier Corp
ZONOLITE Dodson Mfg Co Inc
ZONOLITE Texas Vermiculite Co

BETTER ESTIMATING

TO SUCCESS

LEARN TO ESTIMATE
You can become a successful building contractor by learning to estimate construction costs quickly and accurately. Bid on profitable commercial and industrial jobs without worry about "What did I leave out?" or "Am I bidding too high, or worse yet, too low?"
WHAT WE TEACH
We teach you to prepare estimates complete in every detail. You learn to read plans, to list and figure the cost of materials, to estimate the cost of labor, and many other things that you need to know to bid with confidence. We will send you plans, specifications, estimate sheets, cost data, and complete intructions. The labor data that we supply is not vague and theoretical—it is specific, complete and accurate. It gives you the actual cost of labor required to do work in your locality at your current wage scales.
OUR GUARANTEE
Best of all, you don't need to pay us one cent unless you decide that our course is what you need and want. Study for ten days, and then if you are not delighted, simply return the materials we sent you and there is no further obligation. If you decide to keep our course, send us $19.75 (payable in two monthly payments). Send us your name and address today and see what our course can do for you.
CONSTRUCTION COST INSTITUTE—Dept. A460
Box 8788, University Station—Denver 10, Colorado

LION UNIVERSAL TRIMMER

Precision Miter & Joint Cutter

Write for full information

A multi-duty cutter for right or left hand 45° miters or any adjusted angle to 90°. Accurate, razor-like cut any way of grain. Fine tool steel knives. Compact design. 8" wide, 23" long. Portable. A time saver on every job!

POOTATUCK CORP.
50 Old Stratford Rd., Shelton, Conn.

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MAIL THE COUPON! Your Free Copy Is Waiting For You!

We've Mailed our new 1960 Tool Catalog to all the building men in America whose names are on our list. We think it's the finest and most valuable book for building professionals that we've put out in 75 years!

If you don't have your copy . . the coupon at the right will bring it to you at once . . FREE and without obligation of any kind! Mail it TODAY!

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1912 WALNUT STREET • KANSAS CITY 41, MO.
Tools and Equipment for the Trowel Trades . . . Since 1885

GOLDBLATT TOOL COMPANY
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Yes, I want my FREE personal copy of the 1960 Goldblatt Tool Catalog! Send it at once, and put me on your regular mailing list!

Name .....
Address .....
City ..... Zone ... State ....
Type of Work .....

THE MONTH Ahead

QUALITY PAYS OFF

One of the longest standing gripes that builders have had against FHA and VA appraising is in the field of quality and reduced maintenance. "Why," goes the complaint, "should I put better materials and workmanship into my houses, when that other guy down the street is cutting all the corners, and still getting the same appraisal that I am? I just can't compete on this basis."

A LEGITIMATE COMPLAINT

Certainly you can't blame the builder for objecting. And, where the complaint has proven true, too often the solution has been to cut quality and compete with the other guy on equal terms. So a good house goes off the market, and the buyer gets it in the neck.

Now there are indications of things brightening up for the quality-minded builder. A recent memorandum issued from FHA's Washington office urges all field offices to consider such things as long-lasting finishes and low maintenance costs in making their appraisals. It points out that in many cases the increased cost of the house will be more than offset by the lowered cost of maintaining it.

THIS CAN HELP YOU NOW

Certainly you should hop down to your own FHA office and talk this over at the earliest opportunity. Quality and low maintenance are strong sales points, and you may be able to get them literally for nothing.

A question of identity

Do you ever get the feeling these days that you aren't quite sure just what you are? You have always considered yourself purely and simply a homebuilder. But from all sides you hear that the homebuilding industry is going through a revolution, and from now on you'll have to be an engineer, or a businessman, or a merchandiser, if you want to stay in business.

There's a certain amount of truth in all of this. Homebuilding is changing from a craft to a manufacturing process, and as a builder you'll have to change with it. But, if you're building and selling houses successfully right now, you're already playing several roles. You're a builder, a buyer, a designer, a salesman, and a businessman. And, while no one can be expert in all these fields, you're expert in some, and you have a good working knowledge of most of the rest.

In short, you're a professional—a professional builder.

Just what is a "Professional Builder"?

Let's consider the implications of this term. As a professional builder, you build a quality home and you stand behind it. As a professional builder you bear the ultimate responsibility for all phases of your operation. You probably hire some outside professions—architects, accountants, or sales help—but in the final analysis you are the one who decides what to build, how to build it, and how to sell it.

And, as a professional builder, you plan to stay in the building business.

It's getting tougher all the time

This last point is a critical one. The so-called homebuilding revolution is in its early stages; as it moves faster, you're going to have to move faster too to keep up. So let's add one more definition: the professional builder keeps up with his profession. He knows what new construction techniques can help him most. He knows what new products are available. And he knows and builds what his market wants.

So whether you build new homes, remodel, or do commercial work, remember: you have to be a professional builder. The 60s will be the decade of the professional builder.

IN THE NEXT ISSUE: a look at the opportunities in the vacation and retirement housing market...what's new in the electrical field, and how it can help you merchandise your houses...how to build and sell contemporary homes: advice from one of the country's best builders of modern design.

Add a new selling spark –
Ultima Linoleum *with vinyl!*

Now, Congoleum-Nairn creates new seamless glamour, inlaid linoleum with flashing metallics (plus vinyl magic).

Add something new and exciting – that's how you sell homes faster! For instance: Congoleum-Nairn's Ultima, an entirely new inlaid linoleum (the SEAMLESS type of flooring everybody knows) with vinyl ... plus sparkling, locked-in metallics ... a smoother, glossier finish ... and lovelier decorator colors. There's a real talking point! See all the popular Ultima colors and learn everything Congoleum-Nairn offers to help you sell – in their *complete* Builder's Program.

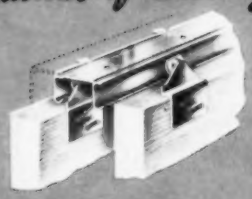
ALL PATTERNS ACTUAL SIZE. To the left 1803, upper right 1804, lower right 1805.
SPECIFICATIONS: By the yard, 6 feet wide. May be used on above-grade floors of wood, concrete or ceramic tile, with or without radiant heating.

Congoleum-Nairn
FINE FLOORS

© 1960, CONGOLEUM-NAIRN INC., KEARNY, N. J.

HOW MANY HOMES COULD YOU SELL, IF YOU PAINTED ALL OF THEM BLUE?

ANOTHER NEW PRODUCT FROM
National of Sterling



SLIDING DOOR SET

Designed for quick and easy installation; eliminates those irksome call backs. Home buyers like the smooth, quiet action of the ¾" diameter nylon rollers. No. 680 Sliding Door Set is adaptable for either ¾" or 1⅜" doors. Separate facia is optional.

National of Sterling

cabinet hardware gives you 21 different finishes to please discriminating buyers

Today's home buyer has some very definite ideas about color, style, and finishes. That's why so many builders choose National of Sterling cabinet pulls, ornamental hinges, door butts and other items that help make a sales impression. You can please them all from the big selection of styles and finishes you will find at your National of Sterling dealer. Look for the familiar blue cartons . . . they're your guarantee that the hardware inside is quality you can rely on.

NATIONAL MANUFACTURING COMPANY

18004 First Ave. **Sterling, Illinois**